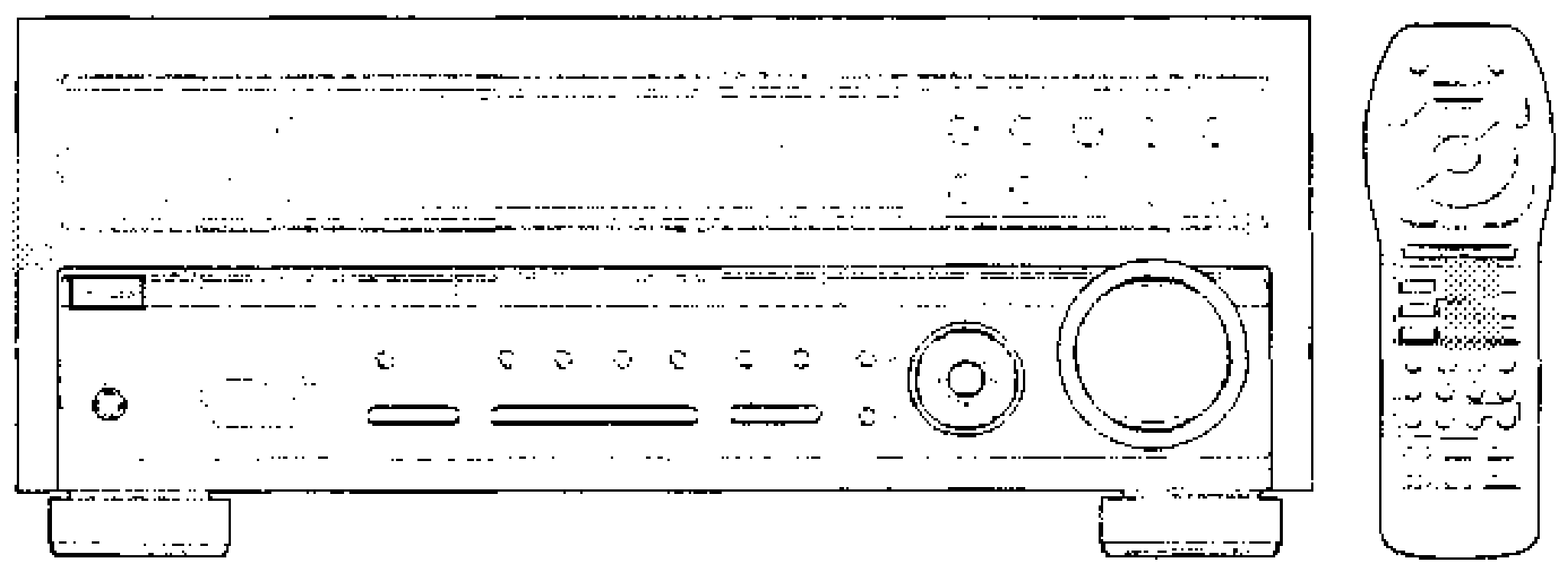
PIONEER®

The Art of Entertainment

Service Manual



ORDER NO.
RRV1770

AUDIO/VIDEO STEREO RECEIVER

VSX-D906S
VSX-07TX
VSX-09TX

THIS MANUAL IS APPLICABLE TO THE FOLLOWING MODEL(S) AND TYPE(S).

Type	Model			Power Requirement	The voltage can be converted by the following method.
	VSX-D906S	VSX-07TX	VSX-09TX		
KU	O	–	–	AC120V	———
KC	O	–	–	AC120V	———
SD	O	–	–	AC110V/120 – 127V/220V/240V	With the voltage selector
KU/CA	–	O	O	AC120V	———

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1. SAFETY INFORMATION

This service manual is intended for qualified service technicians; it is not meant for the casual do-it-yourselfer. Qualified technicians have the necessary test equipment and tools, and have been trained to properly and safely repair complex products such as those covered by this manual. Improperly performed repairs can adversely affect the safety and reliability of the product and may void the warranty. If you are not qualified to perform the repair of this product properly and safely, you should not risk trying to do so and refer the repair to a qualified service technician.

WARNING

Lead in solder used in this product is listed by the California Health and Welfare agency as a known reproductive toxicant which may cause birth defects or other reproductive harm (California Health & Safety Code, Section 25249.5).

When servicing or handling circuit boards and other components which contain lead in solder, avoid unprotected skin contact with the solder. Also, when soldering do not inhale any smoke or fumes produced.

NOTICE

(FOR CANADIAN MODEL ONLY)

Fuse symbols (fast operating fuse) and/or (slow operating fuse) on PCB indicate that replacement parts must be of identical designation.

REMARQUE

(POUR MODÈLE CANADIEN SEULEMENT)

Les symboles de fusible (fusible de type rapide) et/ou (fusible de type lent) sur CCI indiquent que les pièces de remplacement doivent avoir la même désignation.

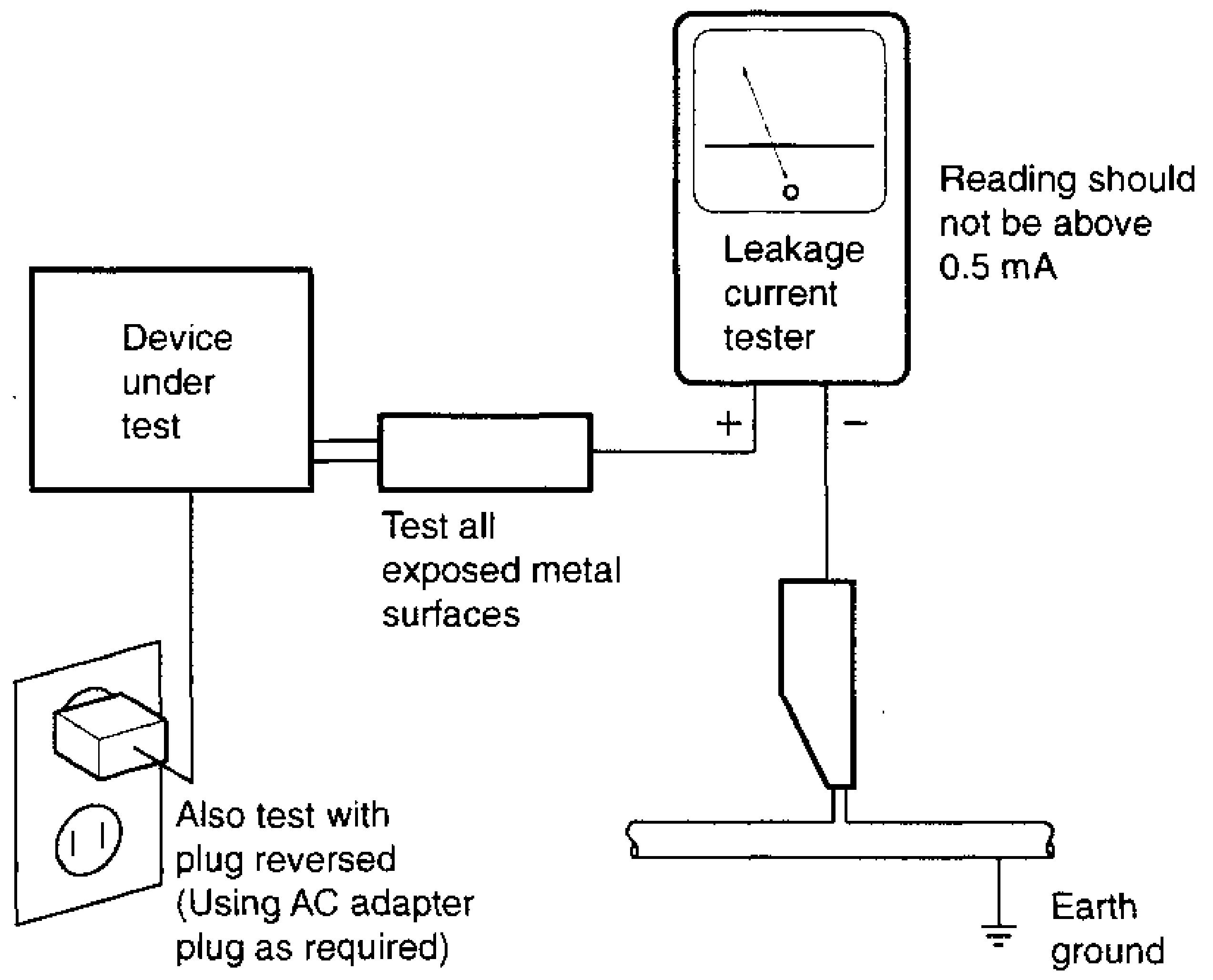
(FOR USA MODEL ONLY)

1. SAFETY PRECAUTIONS

The following check should be performed for the continued protection of the customer and service technician.

LEAKAGE CURRENT CHECK

Measure leakage current to a known earth ground (water pipe, conduit, etc.) by connecting a leakage current tester such as Simpson Model 229-2 or equivalent between the earth ground and all exposed metal parts of the appliance (input/output terminals, screwheads, metal overlays, control shaft, etc.). Plug the AC line cord of the appliance directly into a 120V AC 60 Hz outlet and turn the AC power switch on. Any current measured must not exceed 0.5 mA.


Leakage current tester
Reading should not be above 0.5 mA
Device under test
+
−
Test all exposed metal surfaces
Also test with plug reversed (Using AC adapter plug as required)
Earth ground

AC Leakage Test

ANY MEASUREMENTS NOT WITHIN THE LIMITS OUTLINED ABOVE ARE INDICATIVE OF A POTENTIAL SHOCK HAZARD AND MUST BE CORRECTED BEFORE RETURNING THE APPLIANCE TO THE CUSTOMER.

2. PRODUCT SAFETY NOTICE

Many electrical and mechanical parts in the appliance have special safety related characteristics. These are often not evident from visual inspection nor the protection afforded by them necessarily can be obtained by using replacement components rated for voltage, wattage, etc. Replacement parts which have these special safety characteristics are identified in this Service Manual.

Electrical components having such features are identified by marking with a ⚠ on the schematics and on the parts list in this Service Manual.

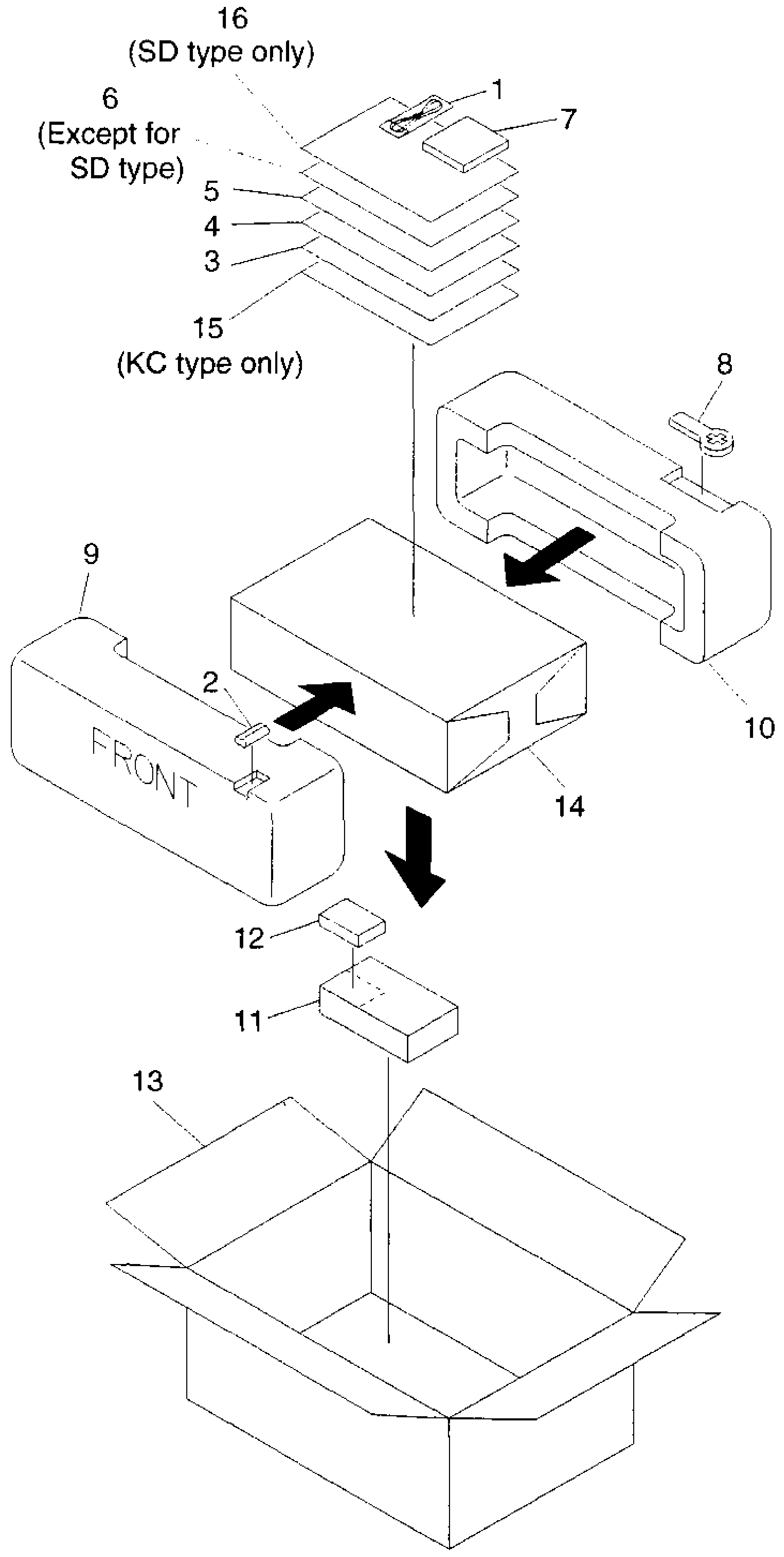
The use of a substitute replacement component which dose not have the same safety characteristics as the PIONEER recommended replacement one, shown in the parts list in this Service Manual, may create shock, fire, or other hazards.

Product Safety is continuously under review and new instructions are issued from time to time. For the latest information, always consult the current PIONEER Service Manual. A subscription to, or additional copies of, PIONEER Service Manual may be obtained at a nominal charge from PIONEER.

2. EXPLODED VIEWS AND PARTS LIST

NOTES: • *Parts marked by "NSP" are generally unavailable because they are not in our Master Spare Parts List.*
• *The ⚠ mark found on some component parts indicates the importance of the safety factor of the part. Therefore, when replacing, be sure to use parts of identical designation.*
• *Screws adjacent to ▼ mark on product are used for disassembly.*

2.1 PACKING



(1) PARTS LIST

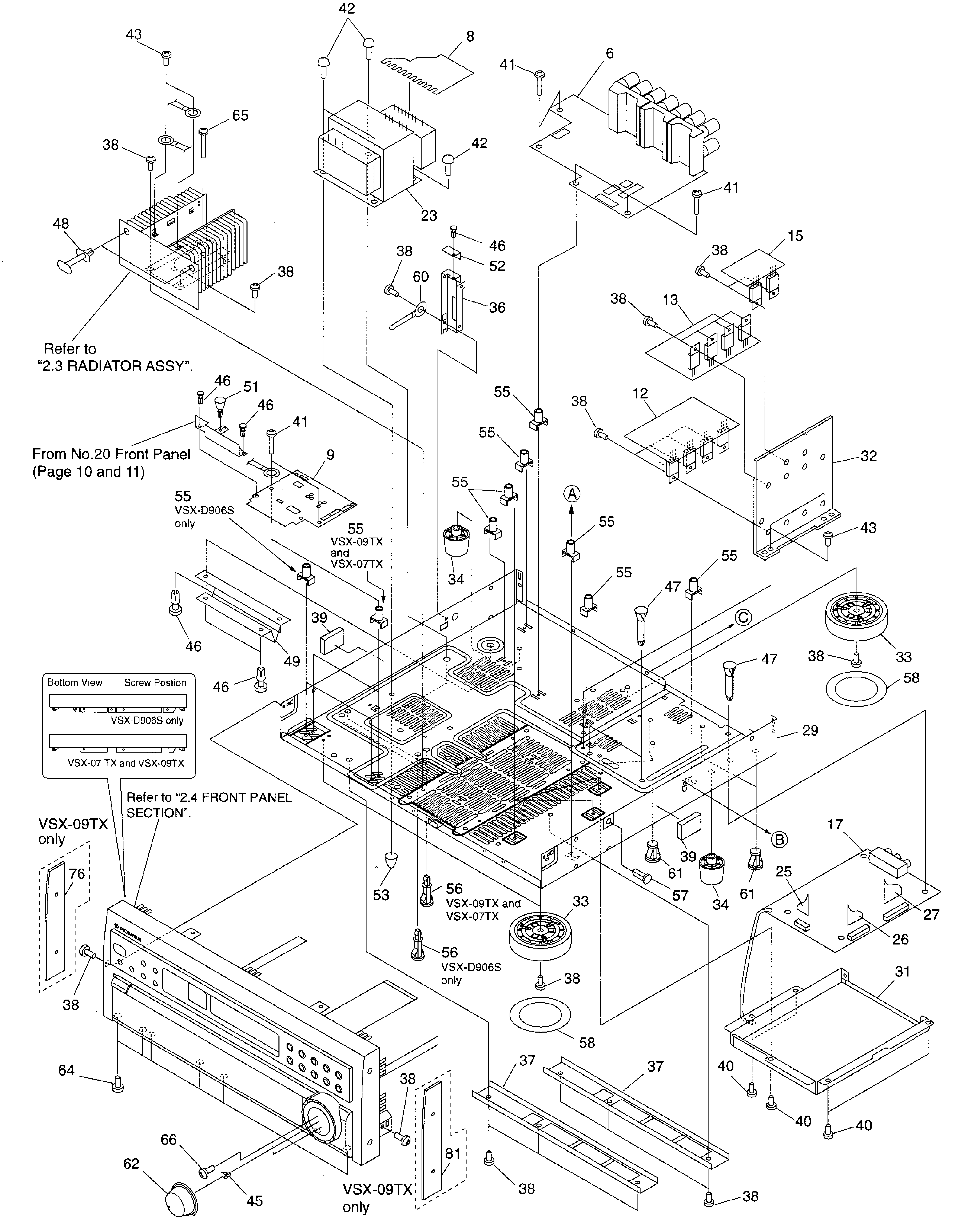
Mark	No.	Description	Parts No.
	1	FM Antenna	ADH1015
NSP	2	Alkaline Dry Cell Batteries (LR6, AA)	AEX1007
	3	Operating Instructions	See Contrast table (2)
	4	Sub Instruction Manual ISC (English)	ARH7022
	5	Sub Instruction Manual AC-3 (English)	ARH7023
NSP	6	Warranty Card	See Contrast table (2)
	7	AM Loop Antenna	ATB1005
	8	Remote Control Unit	See Contrast table (2)
	9	Front Pad	See Contrast table (2)
	10	Rear Pad	See Contrast table (2)
	11	Sub Pad A	AHA7171
	12	Sub Pad B	AHA7172
	13	Packing Case	See Contrast table (2)
	14	Packing Sheet	See Contrast table (2)
	15	Operating Instructions	See Contrast table (2)
NSP	16	Caution 220V	See Contrast table (2)

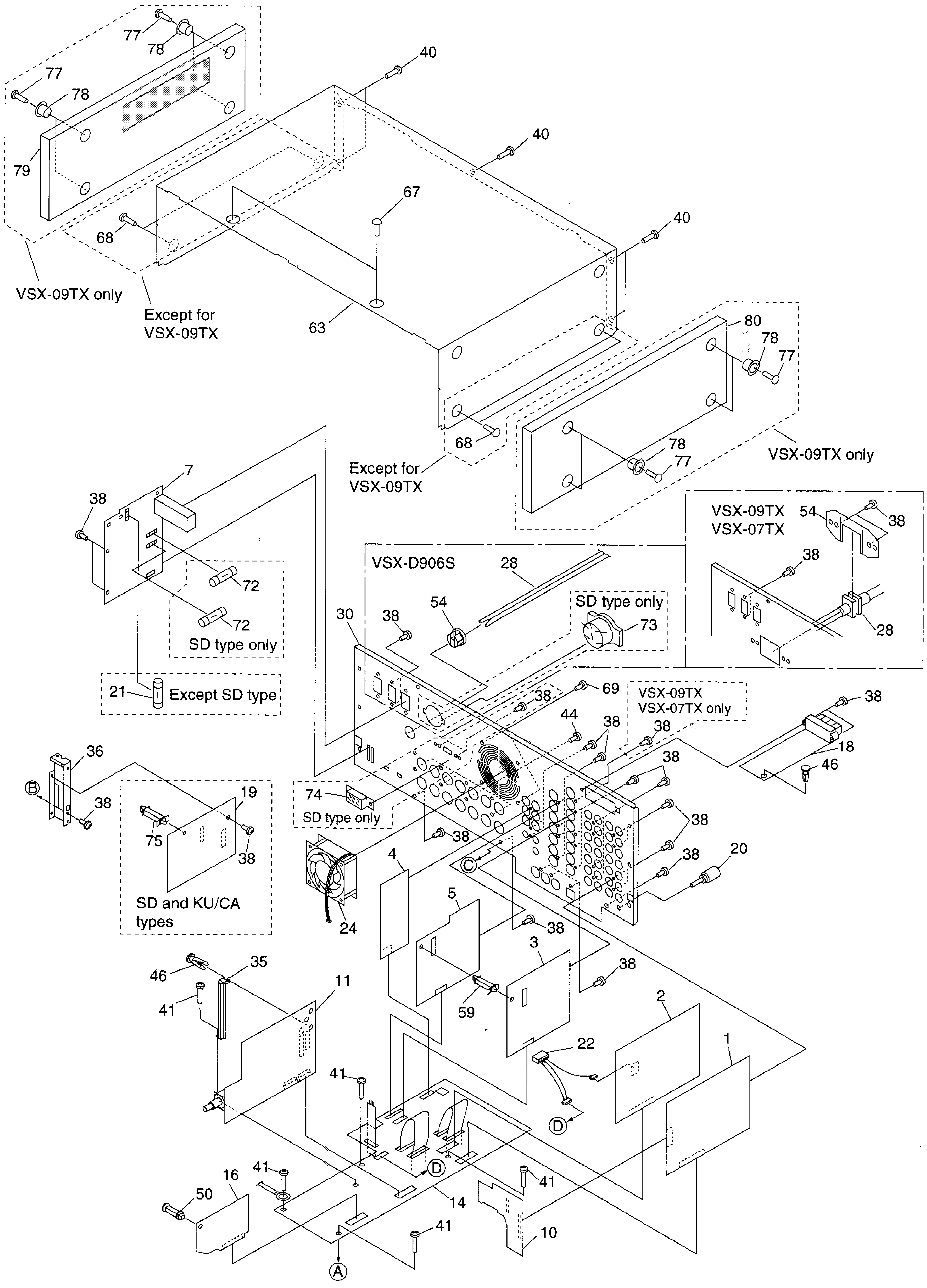
(2) CONTRAST TABLE

VSX-D906S/KC, VSX-D906S/SD, VSX-07TX/KU/CA,VSX-09TX/KU/CA and VSX-D906S/KU have the same construction except for the following:

Mark	No.	Symbol & Description	Part No.					Remarks
			VSX-D906S /KU	VSX-D906S /KC	VSX-D906S /SD	VSX-07TX /KU/CA	VSX-09TX /KU/CA	
	3	Operating Instructions (English)	ARB7111	ARB7111	Not used	ARB7129	ARB7129	
	3	Operating Instructions (English/Spanish/Chinese)	Not used	Not used	ARC7159	Not used	Not used	
NSP	6	Warranty Card	ARY1044	ARY1039	Not used	ARY1026	ARY1026	
	8	Remote Control Unit (CU – VSX117)	AXD7127	AXD7127	Not used	Not used	Not used	
	8	Remote Control Unit (CU – VSX122)	Not used	Not used	AXD7122	AXD7122	AXD7122	
	9	Front Pad	AHA7158	AHA7158	AHA7158	AHA7158	AHA7161	
	10	Rear Pad	AHA7159	AHA7159	AHA7159	AHA7159	AHA7160	
	13	Packing Case	AHD7441	AHD7441	AHD7442	AHD7443	AHD7444	
	14	Packing Sheet	RHC1023	RHC1023	RHC1023	RHC1023	Not used	
NSP	14	Packing Sheet	Not used	Not used	Not used	Not used	AHG7046	
	15	Operating Instructions (French)	Not used	ARC7158	Not used	Not used	Not used	
NSP	16	Caution 220V	Not used	Not used	ARR – 003	Not used	Not used	

2.2 EXTERIOR


Refer to
"2.3 RADIATOR ASSY".
From No.20 Front Panel
(Page 10 and 11)
VSX-D906S
only
VSX-09TX
and
VSX-07TX
Ⓐ
Ⓒ
Bottom View
Screw Postion
VSX-D906S only
VSX-07 TX and VSX-09TX
Refer to "2.4 FRONT PANEL
SECTION".
VSX-09TX
only
Ⓑ
VSX-09TX and
VSX-07TX
VSX-D906S
only
VSX-09TX
only


VSX-09TX only
Except for
VSX-09TX
Except for
VSX-09TX
VSX-09TX only
VSX-09TX
VSX-07TX
VSX-D906S
SD type only
SD type only
Except SD type
VSX-09TX
VSX-07TX only
B
SD type only
C
SD and KU/CA
types
D
D
A

(1) PARTS LIST

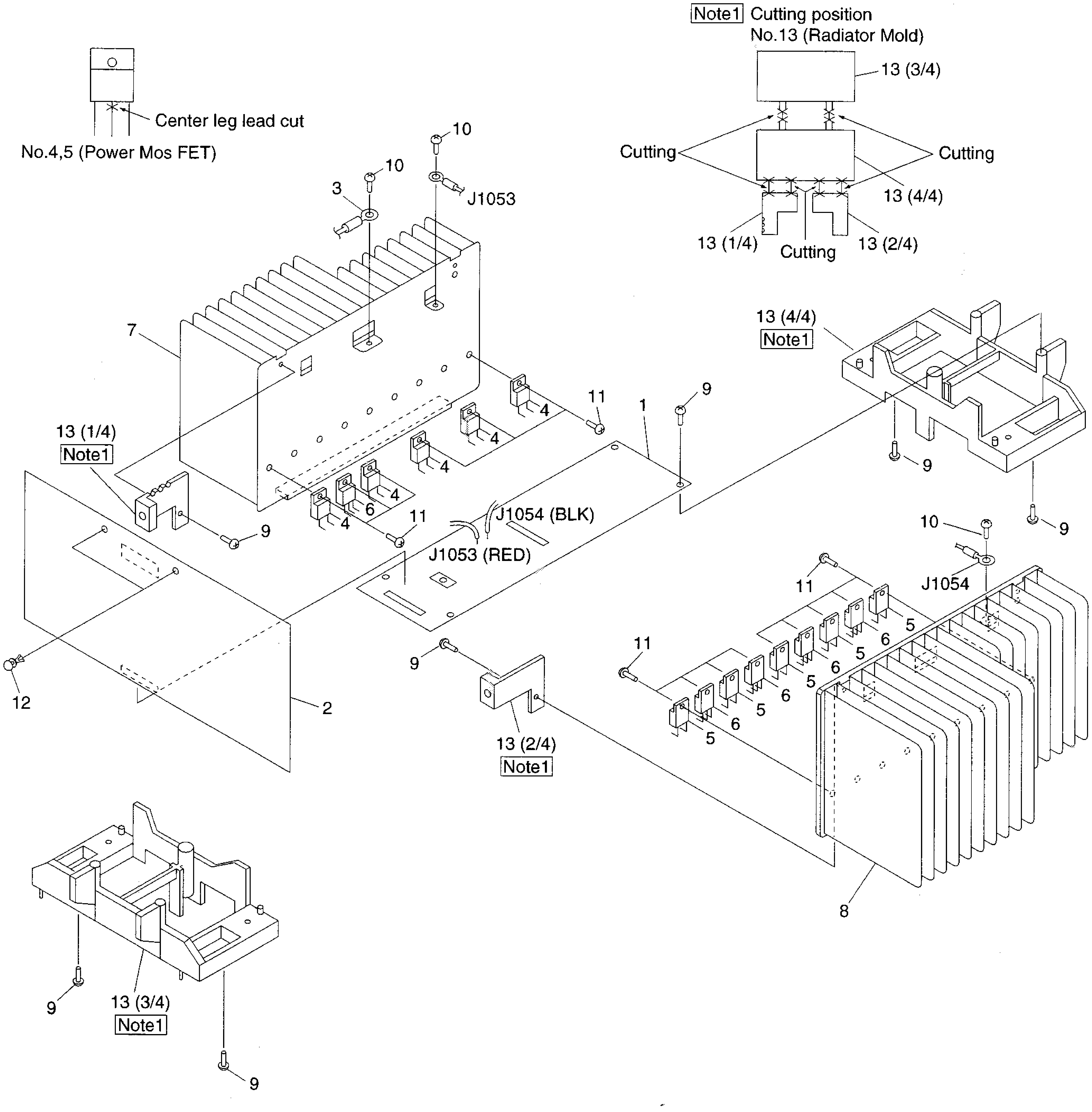
Mark	No.	Description	Parts No.
	1	AUDIO ASSY	See Contrast table (2)
NSP	2	AUDIO/VIDEO ASSY	See Contrast table (2)
	3	VIDEO ASSY	See Contrast table (2)
NSP	4	PRE – OUT & SR ASSY	See Contrast table (2)
	5	S – VIDEO ASSY	See Contrast table (2)
	6	SP TERMINAL ASSY	See Contrast table (2)
NSP	7	PRIMARY ASSY	See Contrast table (2)
	8	TRANS TERMINAL ASSY	AWZ8730
	9	POWER SUPPLY ASSY	See Contrast table (2)
NSP	10	CONNECTION ASSY	AWZ8732
	11	MASTER VR ASSY	AWZ8734
	12	REGULATOR (1) ASSY	AWZ8735
	13	REGULATOR (2) ASSY	AWZ8736
NSP	14	E VR ASSY	See Contrast table (2)
NSP	15	REGULATOR (3) ASSY	AWZ8819
	16	V – AMP ASSY	AWZ8874
	17	DOLBY DIGITAL ASSY	AWX7038
	18	FM/AM TUNER MODULE	See Contrast table (2)
	19	LIMITTER ASSY	See Contrast table (2)
	20	Terminal Screw	AKE – 031
⚠	21	FU1 Fuse (10A)	See Contrast table (2)
NSP	22	8P Shielded Cable	ADX1941
⚠	23	T1 Power Transformer	See Contrast table (2)
⚠	24	Fan Motor	AXM7012
NSP	25	Jumper Wire	D15A10 – 200 – 2651
NSP	26	Jumper Wire 11P	D20PYY1115E
NSP	27	Jumper Wire 15P	D20PYY1515E
⚠	28	AC Power Cord	See Contrast table (2)
NSP	29	Chassis	See Contrast table (2)
	30	Rear Panel	See Contrast table (2)
NSP	31	Bottom Plate	See Contrast table (2)
NSP	32	Sub Heat Sink	ANH7055
	33	Insulator	PNW2020
	34	Foot	REC1263
	35	PCB Holder	ANG1807
	36	Assy Holder	See Contrast table (2)
NSP	37	Sub Flame	See Contrast table (2)
	38	Screw	ABA – 298
NSP	39	Spacer	AEB1254
	40	Screw (Steel)	ABA1006
	41	Screw	ABA1018
	42	Screw (Steel)	ABA1053
	43	Screw	ABA1054
	44	Screw (Steel)	ABA1193
	45	Adjust Spring	ABK7013
	46	Rivet	AEC – 441
	47	PCB Holder	AEC7073
NSP	48	Card Spacer	AEC7081
NSP	49	Barrier	AEC7089
	50	Mini Card Spacer	AEC7092
	51	T Type Push Rivet	AEC7093
	52	Barrier	AEC7095
	53	Stud Cover	AEC7096
	54	Cord Stopper	See Contrast table (2)
	55	PCB Mould	AMR1525
	56	Locking Card Spacer	DEC1908
	57	Card Spacer	DNK2769
	58	Stopper	PNM1134
NSP	59	PCB Holder	REC1258
NSP	60	Clamper	RNE1277
NSP	61	PC Support	VEC1749
	62	Volume Knob	See Contrast table (2)
	63	Bonnet Case	See Contrast table (2)
	64	Screw	BBZ30P080FZK
	65	Screw	BBZ30P300FMC
	66	Screw	BMZ30P080FMC
	67	Screw	BPZ30P080FZK
	68	Screw	See Contrast table (2)
	69	Screw	IBZ30P100FCC
	70	....	
	71	....	
⚠	72	FU2, FU3 Fuse (T5A)	See Contrast table (2)
⚠	73	Voltage Selector	See Contrast table (2)
⚠	74	Voltage Selector	See Contrast table (2)
NSP	75	PCB Holder	See Contrast table (2)
	76	Side Sash L	See Contrast table (2)
	77	Screw	See Contrast table (2)
	78	Screw (Steel)	See Contrast table (2)
	79	Side Board L	See Contrast table (2)
	80	Side Board R	See Contrast table (2)
	81	Side Sash R	See Contrast table (2)

(2) CONTRAST TABLE

VSX-D906S/KC, VSX-D906S/SD, VSX-07TX/KU/CA,VSX-09TX/KU/CA and VSX-D906S/KU have the same construction except for the following:

Mark	No.	Symbol & Description	Part No.					Remarks
			VSX-D906S /KU	VSX-D906S /KC	VSX-D906S /SD	VSX-07TX /KU/CA	VSX-09TX /KU/CA	
	1	AUDIO ASSY	AWZ8763	AWZ8763	AWZ8763	AWZ8718	AWZ8762	
NSP	2	AUDIO/VIDEO ASSY	AWZ8766	AWZ8766	AWZ8766	AWZ8719	AWZ8765	
	3	VIDEO ASSY	AWZ8769	AWZ8769	AWZ8769	AWZ8720	AWZ8768	
NSP	4	PRE–OUT & SR ASSY	AWZ8774	AWZ8774	AWZ8774	AWZ8722	AWZ8773	
	5	S–VIDEO ASSY	AWZ8808	AWZ8808	AWZ8808	AWZ8721	AWZ8771	
	6	SP TERMINAL ASSY	AWZ8727	AWZ8727	AWZ8788	AWZ8727	AWZ8727	
NSP	7	PRIMARY ASSY	AWZ8728	AWZ8728	AWZ8790	AWZ8728	AWZ8728	
	9	POWER SUPPLY ASSY	AWZ8792	AWZ8792	AWZ8870	AWZ8729	AWZ8729	
NSP	14	E VR ASSY	AWZ8786	AWZ8786	AWZ8733	AWZ8733	AWZ8733	
	18	FM/AM TUNER MODULE	AXQ7219	AXQ7219	AXQ1012	AXQ7219	AXQ7219	
	19	LIMITTER ASSY	Not used	Not used	AWK7406	AWK7406	AWK7406	
⚠	21	FU1 Fuse (10A)	VEK1029	VEK1029	Not used	VEK1029	VEK1029	
⚠	23	T1 Power Transformer (AC120V)	ATS7172	ATS7172	Not used	ATS7172	ATS7172	
⚠	23	T1 Power Transformer (AC110V/120 – 127V/220V/240V)	Not used	Not used	ATS7173	Not used	Not used	
⚠	28	AC Power Cord	PDG1015	PDG1015	PDG1056	VDG1046	VDG1046	
NSP	29	Chassis	ANA7058	ANA7058	ANA7058	ANA7058	ANA7061	
	30	Rear Panel	ANC7572	ANC7572	ANC7574	ANC7573	ANC7581	
NSP	31	Bottom Plate	ANF7004	ANF7004	ANF7004	ANF7004	ANF7006	
	36	ASSY Holder	ANG7121	ANG7121	ANG7121	ANG7121	ANG7139	
NSP	37	Sub Flame	ANG7137	ANG7137	ANG7137	ANG7137	ANG7138	
	54	Cord Stopper	AEP – 113	AEP – 113	AEC – 882	ANG1153	ANG1153	
	62	Volume Knob	AAB7125	AAB7125	AAB7125	AAB7125	AAB7127	
	63	Bonnet Case	AZN7678	AZN7678	AZN7678	AZN7678	AZN7679	
	68	Screw	FBT40P080FZK	FBT40P080FZK	FBT40P080FZK	FBT40P080FZK	Not used	
⚠	72	FU2, FU3 Fuse (T5A)	Not used	Not used	AEK1061	Not used	Not used	
⚠	73	Voltage Selector	Not used	Not used	AKX – 507	Not used	Not used	
⚠	74	Voltage Selector	Not used	Not used	AKX1004	Not used	Not used	
NSP	75	PCB Holder	Not used	Not used	PNW2100	PNW2100	PNW2100	
	76	Side Sash L	Not used	Not used	Not used	Not used	AAP7035	
	77	Screw	Not used	Not used	Not used	Not used	ABA1086	
	78	Screw (Steel)	Not used	Not used	Not used	Not used	AEC1165	
	79	Side Board L	Not used	Not used	Not used	Not used	AMS7009	
	80	Side Board R	Not used	Not used	Not used	Not used	AMS7010	
	81	Side Sash R	Not used	Not used	Not used	Not used	AAP7036	

2.3 RADIATOR ASSY (POWER AMP ASSY)


Note1 Cutting position
No.13 (Radiator Mold)
13 (3/4)
Cutting
Cutting
13 (4/4)
13 (1/4)
Cutting
13 (2/4)
Center leg lead cut
No.4,5 (Power Mos FET)
10
10
3
J1053
7
13 (4/4)
Note1
9
11
1
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4
4
4
4
6
13 (1/4)
Note1
9
11
J1054 (BLK)
J1053 (RED)
10
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J1054
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5
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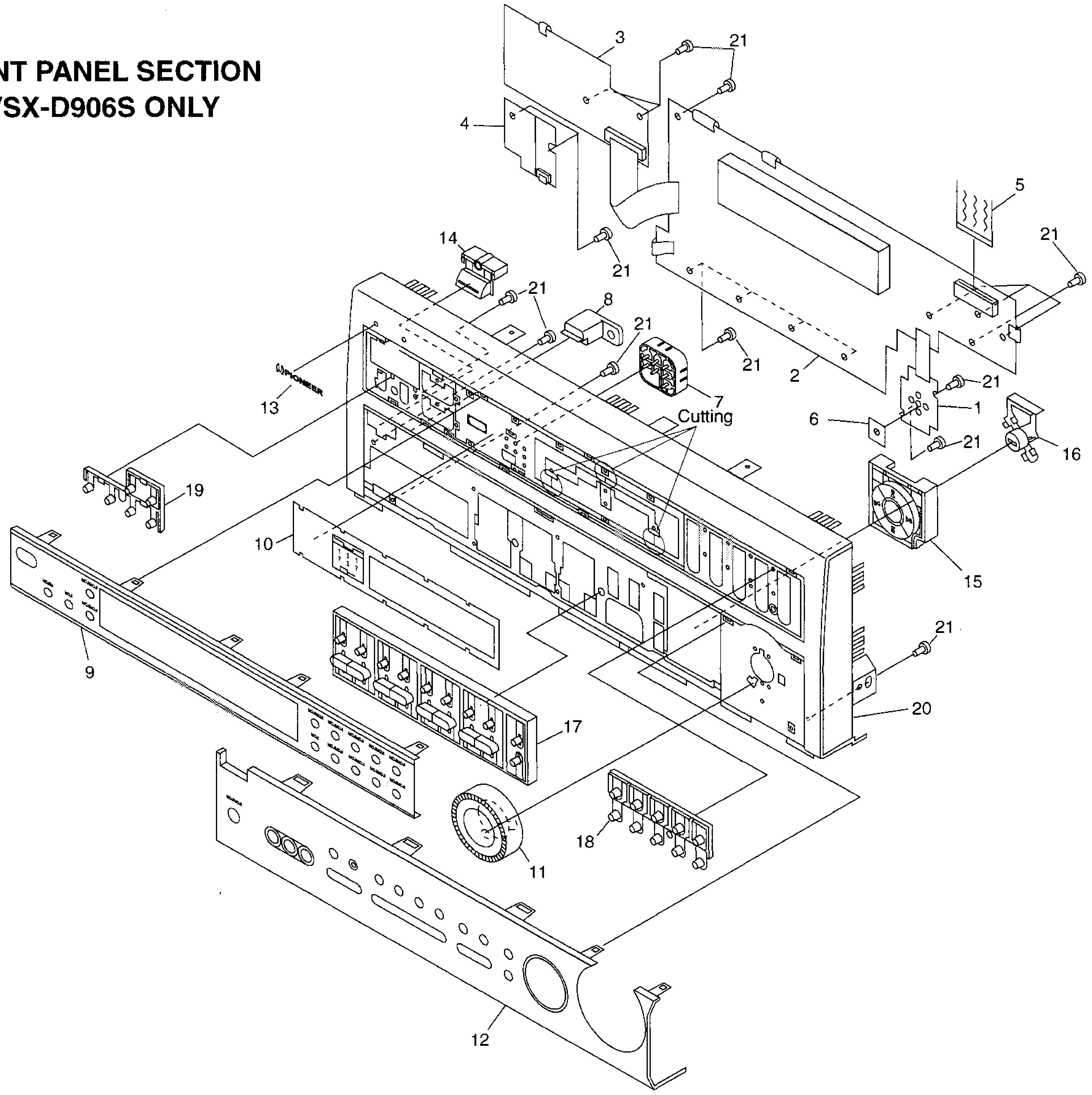
9
12
2
13 (2/4)
Note1
8
9
13 (3/4)
Note1
9

• PARTS LIST

Mark	No.	Description	Parts No.
	1	CURR DRIVE ASSY	AWZ8717
	2	VOLTAGE AMP ASSY (KU AND KC TYPES)	AWZ8776
	2	VOLTAGE AMP ASSY (SD AND KU/CA TYPES)	AWZ8716
	3	TH901 Thermistor	AEX7004
⚠	4	Q41 – Q45 Power Mos FET	IRF540
⚠	5	Q51 – Q55 Power Mos FET	IRF9540
⚠	6	Q21, Q22, Q31 – Q33 Transistor	2SC4793
NSP	7	Radiator	ANH7054
NSP	8	Radiator	ANH7061
	9	Screw	ABA – 298
	10	Screw	ABA1054
	11	Screw (Steel)	ABA1194
	12	Rivet	AEC – 441
	13	Radiator Mold	AMR7173

2.4 FRONT PANEL SECTION
For VSX-D906S ONLY



(1) PARTS LIST

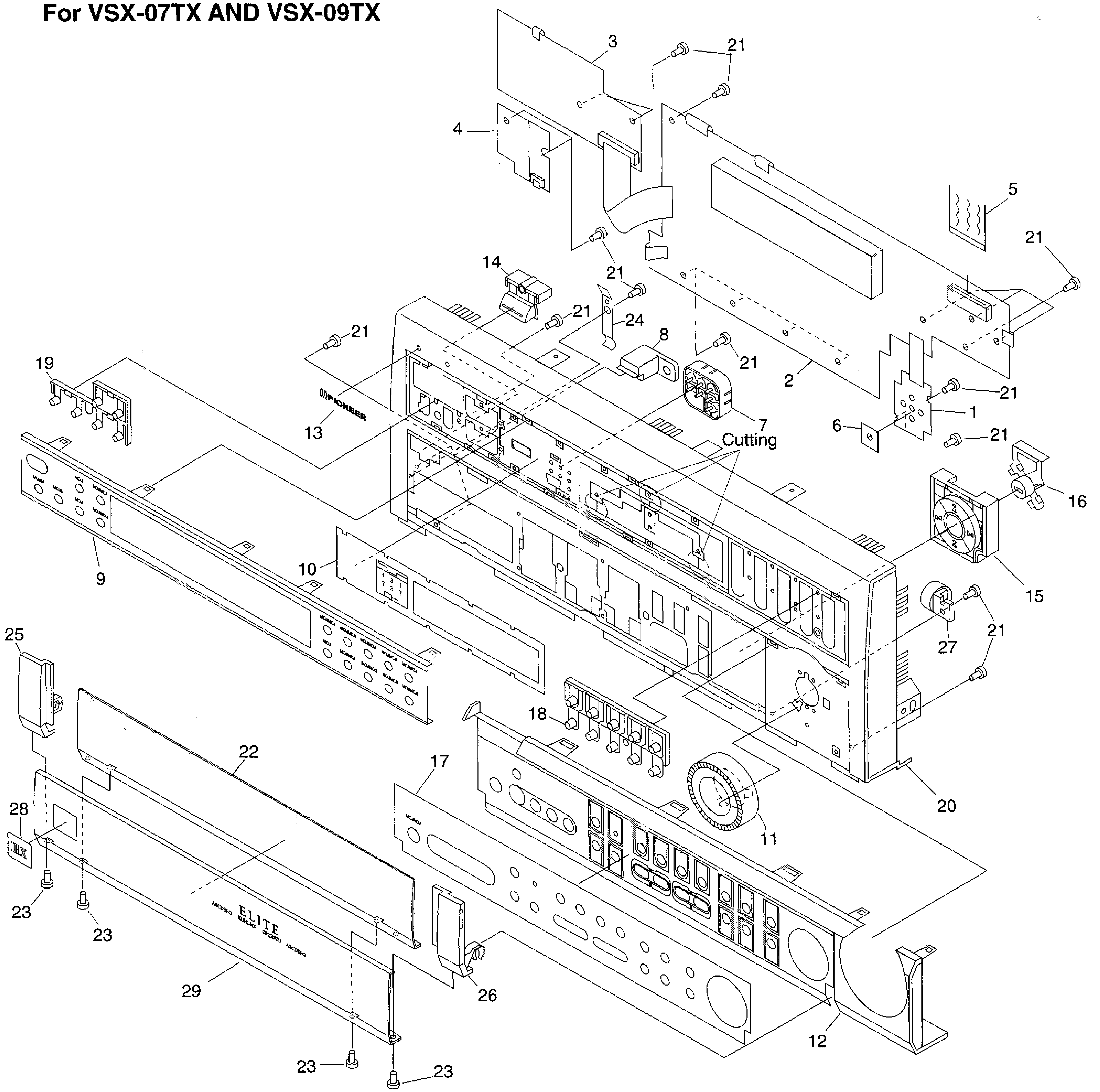
Mark	No.	Description	Parts No.
NSP	1	KEY ASSY	AWZ8724
	2	FL–UCOM ASSY	See Contrast table (2)
NSP	3	RMC ASSY	See Contrast table (2)
NSP	4	POWER SWITCH ASSY	AWZ8784
	5	FFC 29P	ADD7060
	6	Himelon Sheet	AED7019
	7	LED Lens	AAK7377
	8	Standby Lens	AAK7378
	9	Display Panel	See Contrast table (2)
	10	FL Filter	AAK7382
	11	Volume Ring	See Contrast table (2)
	12	Center Panel	AMB7432
	13	Name Plate	VAM1032
	14	Power Button	AAD7377
	15	5–Action Button	AAD7378
	16	Enter Button	AAD7379
	17	Regular Button	AAD7380
	18	Function Button	AAD7381
	19	Input Button	AAD7382
	20	Front Panel	AMB7433
	21	Screw	BPZ30P080FMC

(2) CONTRAST TABLE

VSX-D906S/KC, VSX-D906S/SD and VSX-D906S/KU have the same construction except for the following:

Mark	No.	Symbol & Description	Part No.			Remarks
			VSX-D906S/KU	VSX-D906S/KC	VSX-D906S/SD	
	2	FL–UCOM ASSY	AWZ8779	AWZ8779	AWZ8868	
NSP	3	RMC ASSY	AWZ8782	AWZ8782	AWZ8869	
	9	Display Panel	AAK7380	AAK7380	AAK7423	
	11	Volume Ring	AAK7383	AAK7383	AAK7384	

For VSX-07TX AND VSX-09TX


3
21
4
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14
21
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24
21
8
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19
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13
7
Cutting
21
6
1
21
16
9
10
15
25
27
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18
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17
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28
11
23
23
29
26
12
23
23
PIONEER
ELITE

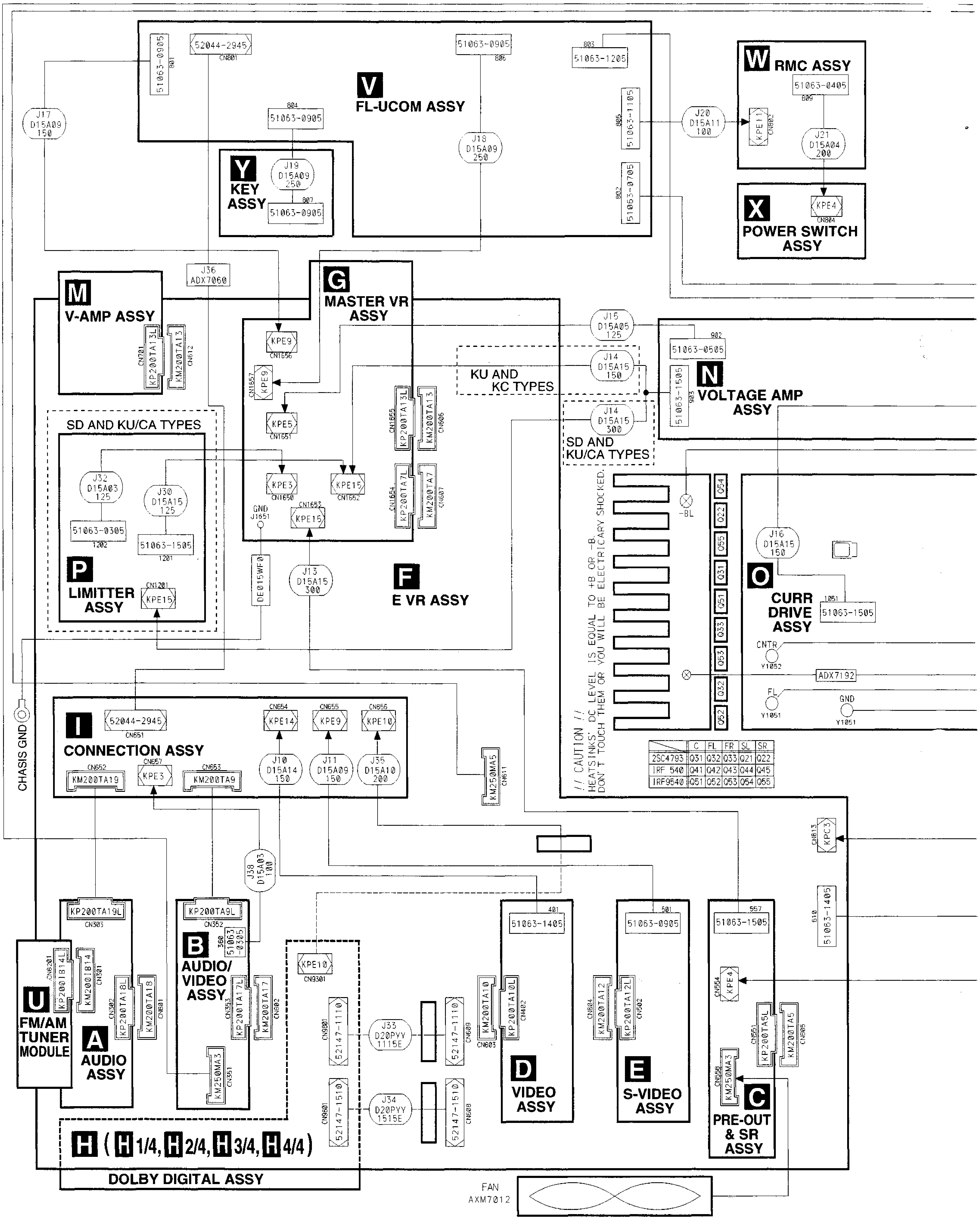
- PARTS LIST

Mark	No.	Description	Parts No.
NSP	1	KEY ASSY	AWZ8724
	2	FL–UCOM ASSY	AWZ8723
NSP	3	RMC ASSY	AWZ8725
NSP	4	POWER SWITCH ASSY	AWZ8784
	5	FFC 29P	ADD7060
	6	Himelon Sheet	AED7019
	7	LED Lens	AAK7377
	8	Standby Lens	AAK7378
	9	Display Panel	AAK7379
	10	FL Filter	AAK7381
	11	Volume Ring	AAK7384
	12	Sub Panel	AMB7437
	13	Name Plate	VAM1032
	14	Power Button	AAD7377
	15	5–Action Button	AAD7378
	16	Enter Button	AAD7379
	17	PVC Panel	AAK7385
	18	Function Button	AAD7381
	19	Input Button	AAD7382
	20	Front Panel (VSX–07TX)	AMB7434
	20	Front Panel (VSX–09TX)	AMB7436
	21	Screw	BPZ30P080FMC
	22	Door Plate	ANG7129
	23	Screw	ABA7023
	24	Spring	ABK7012
	25	Door Hinge L	AMR7174
	26	Door Hinge R	AMR7175
	27	Damper Assy	AXA1008
	28	THX Badge	AAM7003
	29	Door Panel	AMB7438

3. SCHEMATIC DIAGRAM

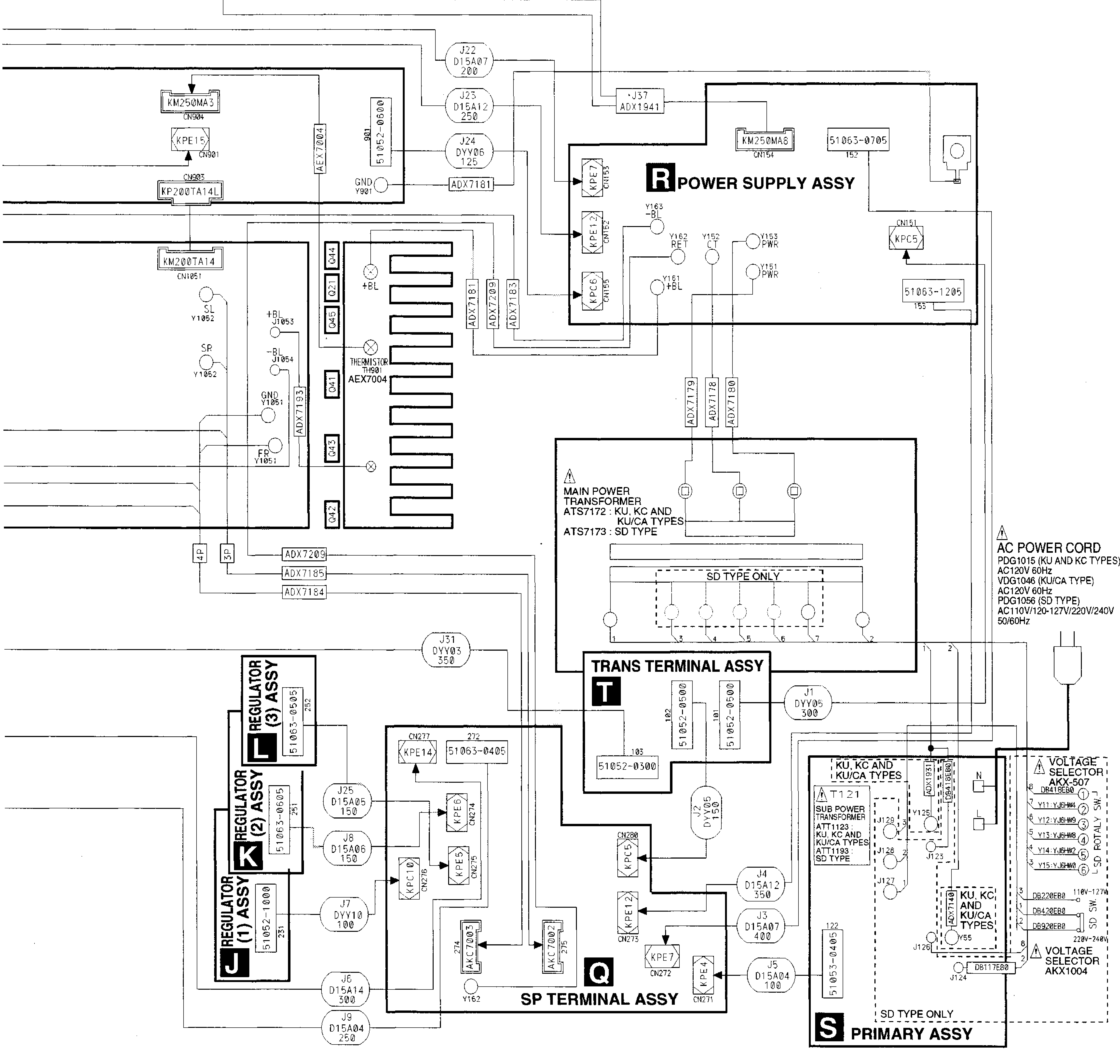
Note : When ordering service parts, be sure to refer to "EXPLODED VIEWS and PARTS LIST" or "PCB PARTS LIST"

3.1 OVERALL CONNECTION DIAGRAM

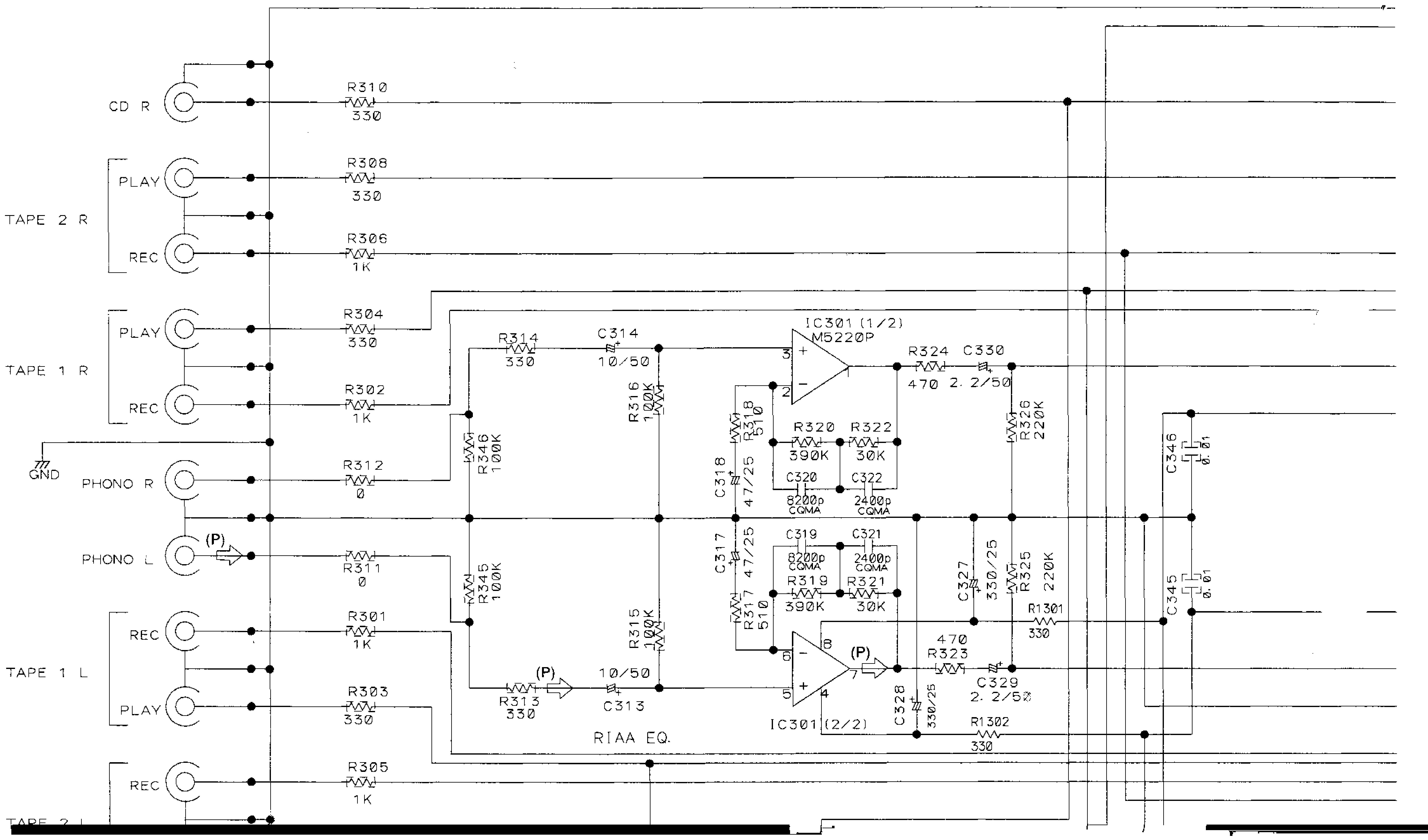

V FL-UCOM ASSY
51063-0905
801
52044-2945
CN801
51063-0905
806
803
51063-1205
804
51063-0905
805
51063-1105
802
51063-0705
J17 D15A09 150
J18 D15A09 250
Y KEY ASSY
J19 D15A09 250
807
51063-0905
W RMC ASSY
51063-0405
809
J20 D15A11 100
KPE11
CN802
J21 D15A04 200
X POWER SWITCH ASSY
KPE4
CN804
J36 ADX7060
M V-AMP ASSY
CN701 KP200TA13L
KM200TA13 CN612
G MASTER VR ASSY
KPE9 CN1656
CN1657 KPE9
KPE5 CN1651
CN1655 KP200TA13L
KM200TA13 CN606
KPE3 CN1650
KPE15 CN1652
CN1654 KP200TA7L
KM200TA7 CN607
GND J1651
CN1653 KPE15
SD AND KU/CA TYPES
J32 D15A03 125
J30 D15A15 125
51063-0305 1202
51063-1505 1201
P LIMITTER ASSY
CN1201 KPE15
DE015WF0
J13 D15A15 300
F E VR ASSY
J15 D15A05 125
KU AND KC TYPES
J14 D15A15 150
J14 D15A15 300
SD AND KU/CA TYPES
902
51063-0505
903
51063-1505
N VOLTAGE AMP ASSY
-BL
Q54
Q22
Q55
Q31
Q51
Q33
Q53
Q32
Q52
// CAUTION // HEATSINKS' DC LEVEL IS EQUAL TO +B OR -B. DON'T TOUCH THEM OR YOU WILL BE ELECTRICARY SHOCKED.
J16 D15A15 150
O CURR DRIVE ASSY
1051
51063-1505
CNTR Y1052
ADX7192
FL Y1051
GND Y1051
CHASIS GND
I CONNECTION ASSY
52044-2945 CN651
CN654 KPE14
CN655 KPE9
CN656 KPE10
J10 D15A14 150
J11 D15A09 150
J35 D15A10 200
CN652 KM200TA19
CN657 KPE3
CN653 KM200TA9
KM250MA5 CN611
J38 D15A03 100
CN613 KPC3
610 51063-1405
KP200TA19L CN303
CN6201 KP200IB14L
KM200IB14 CN301
CN302 KP200TA18L
KM200TA18 CN601
U FM/AM TUNER MODULE
A AUDIO ASSY
KP200TA9L CN352
380 51063-0305
B AUDIO/VIDEO ASSY
CN353 KP200TA17L
KM200TA17 CN602
KM250MA3 CN351
KPE10 CN9301
CN9001 52147-1110
J33 D20PYY 1115E
52147-1110 CN609
CN9601 52147-1510
J34 D20PYY 1515E
52147-1510 CN608
401 51063-1405
KM200TA10 CN603
KP200TA10L CN402
D VIDEO ASSY
501 51063-0905
CN604 KM200TA12
KP200TA12L CN502
E S-VIDEO ASSY
557 51063-1505
CN554 KPE4
CN551 KP200TA5L
KM200TA5 CN605
CN558 KM250MA3
C PRE-OUT & SR ASSY
H (H1/4, H2/4, H3/4, H4/4)
DOLBY DIGITAL ASSY
FAN AXM7012

	C	FL	FR	SL	SR
2SC4793	Q31	Q32	Q33	Q21	Q22
IRF 540	Q41	Q42	Q43	Q44	Q45
IRF9540	Q51	Q52	Q53	Q54	Q55

		VSX-D906S /KU AND KC	VSX-D906S /SD	VSX-07TX /KU/CA	VSX-09TX /KU/CA			VSX-D906S /KU AND KC	VSX-D906S /SD	VSX-07TX /KU/CA	VSX-09TX /KU/CA
A	AUDIO ASSY	AWZ8763	AWZ8763	AWZ8718	AWZ8762	**N**	VOLTAGE AMP ASSY	AWZ8776	AWZ8716	AWZ8716	AWZ8716
B	AUDIO/VIDEO ASSY	AWZ8766	AWZ8766	AWZ8719	AWZ8765	**O**	CURR DRIVE ASSY	AWZ8717	AWZ8717	AWZ8717	AWZ8717
C	PRE-OUT & SR ASSY	AWZ8774	AWZ8774	AWZ8722	AWZ8773	**P**	LIMITTER ASSY	Not Used	AWK7406	AWK7406	AWK7406
D	VIDEO ASSY	AWZ8769	AWZ8769	AWZ8720	AWZ8768	**Q**	SP TERMINAL ASSY	AWZ8727	AWZ8788	AWZ8727	AWZ8727
E	S-VIDEO ASSY	AWZ8808	AWZ8808	AWZ8721	AWZ8771	**R**	POWER SUPPLY ASSY	AWZ8792	AWZ8870	AWZ8729	AWZ8729
F	E VR ASSY	AWZ8786	AWZ8733	AWZ8733	AWZ8733	**S**	PRIMARY ASSY	AWZ8728	AWZ8790	AWZ8728	AWZ8728
G	MASTER VR ASSY	AWZ8734	AWZ8734	AWZ8734	AWZ8734	**T**	TRANS TERMINAL ASSY	AWZ8730	AWZ8730	AWZ8730	AWZ8730
H	DOLBY DIGITAL ASSY	AWX7038	AWX7038	AWX7038	AWX7038	**U**	FM/AM TUNER MODULE	AXQ7219	AXQ1012	AXQ7219	AXQ7219
I	CONNECTION ASSY	AWZ8732	AWZ8732	AWZ8732	AWZ8732	**V**	FL-UCOM ASSY	AWZ8779	AWZ8868	AWZ8723	AWZ8723
J	REGULATOR (1) ASSY	AWZ8735	AWZ8735	AWZ8735	AWZ8735	**W**	RMC ASSY	AWZ8782	AWZ8869	AWZ8725	AWZ8725
K	REGULATOR (2) ASSY	AWZ8736	AWZ8736	AWZ8736	AWZ8736	**X**	POWER SWITCH ASSY	AWZ8784	AWZ8784	AWZ8784	AWZ8784
L	REGULATOR (3) ASSY	AWZ8819	AWZ8819	AWZ8819	AWZ8819	**Y**	KEY ASSY	AWZ8724	AWZ8724	AWZ8724	AWZ8724
M	V-AMP ASSY	AWZ8874	AWZ8874	AWZ8874	AWZ8874						


J22 D15A07 200
J23 D15A12 250
J24 DYY06 125
J37 ADX1941
KM250MA3 CN904
KPE15 CN901
CN903 KP200TA14L
AEX7004
901 51052-0600
GND Y901
ADX7181
KM200TA14 CN1051
SL Y1052
SR Y1052
+BL J1053
-BL J1054
GND Y1051
FR Y1051
ADX7193
Q44
Q21
Q45
Q41
Q43
Q42
+BL
THERMISTOR TH901 AEX7004
ADX7181
ADX7209
ADX7183
R POWER SUPPLY ASSY
KM250MA8 CN154
51063-0705 152
KPE7 CN153
KPE12 CN152
KPC6 CN155
Y163 -BL
Y162 RET
Y152 CT
Y153 PWR
Y151 PWR
Y161 +BL
CN151 KPC5
51063-1205 153
ADX7179
ADX7178
ADX7180
MAIN POWER TRANSFORMER ATS7172 : KU, KC AND KU/CA TYPES ATS7173 : SD TYPE
SD TYPE ONLY
1 3 4 5 6 7 2
4P
3P
ADX7209
ADX7185
ADX7184
J31 DYY03 350
TRANS TERMINAL ASSY T
102 51052-0500
101 51052-0500
103 51052-0300
J1 DYY05 300
J2 DYY05 150
AC POWER CORD
PDG1015 (KU AND KC TYPES) AC120V 60Hz
VDG1046 (KU/CA TYPE) AC120V 60Hz
PDG1056 (SD TYPE) AC110V/120-127V/220V/240V 50/60Hz
L REGULATOR (3) ASSY
51063-0505 252
K REGULATOR (2) ASSY
51063-0605 251
J REGULATOR (1) ASSY
51052-1000 231
CN277 KPE14
272 51063-0405
KPE6 CN274
KPE5 CN275
KPC10 CN276
274 AKC7003
AKC7002 275
Y162
J25 D15A05 150
J8 D15A06 150
J7 DYY10 100
J6 D15A14 300
J9 D15A04 250
CN280 KPC5
KPE12 CN273
KPE7 CN272
KPE4 CN271
Q SP TERMINAL ASSY
J4 D15A12 350
J3 D15A07 400
J5 D15A04 100
KU, KC AND KU/CA TYPES
T121 SUB POWER TRANSFORMER ATT1123 : KU, KC AND KU/CA TYPES ATT1193 : SD TYPE
ADX1931
DB418EB0
Y125
J129
J128
J123
J127
KU, KC AND KU/CA TYPES
ADX7140
Y55
J126
J124
DB117EB0
122 51053-0405
N
L
VOLTAGE SELECTOR AKX-507
DB418EB0
Y11 : YJ6HW4
Y12 : YJ6HW9
Y13 : YJ6HW8
Y14 : YJ6HW2
Y15 : YJ6HW0
SD ROTALY SW.
DB220EB0 110V-127V
DB420EB0
DB920EB0 220V-240V
SD SW.
VOLTAGE SELECTOR AKX1004
SD TYPE ONLY
S PRIMARY ASSY

3.2 AUDIO ASSY

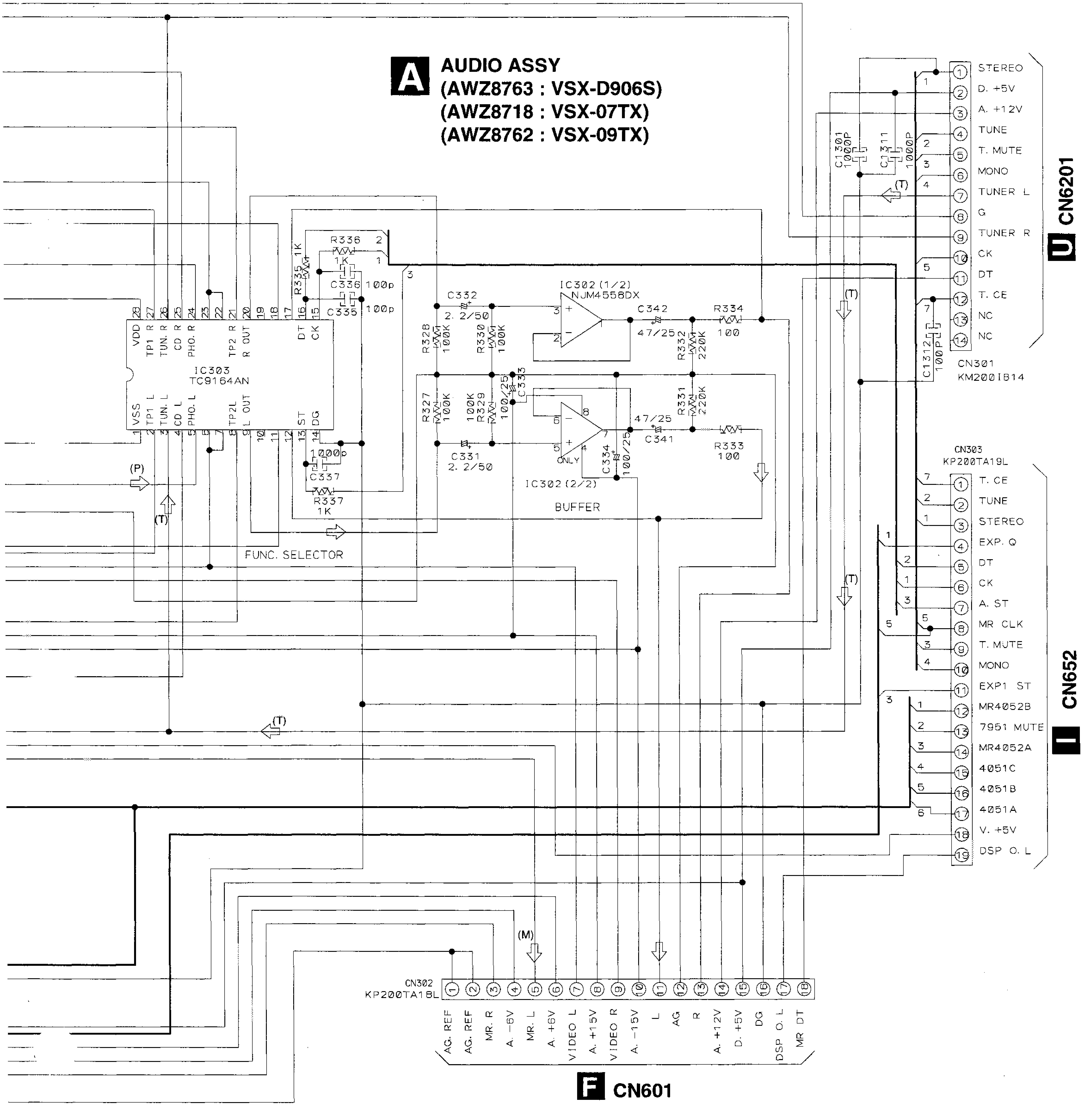

CD R
R310
330
PLAY
R308
330
TAPE 2 R
REC
R306
1K
PLAY
R304
330
TAPE 1 R
REC
R302
1K
GND
PHONO R
R312
0
PHONO L
(P)
R311
0
REC
R301
1K
TAPE 1 L
PLAY
R303
330
REC
R305
1K
R314
330
C314
10/50
R316
100K
R346
100K
R345
100K
R315
100K
R313
330
(P)
10/50
C313
RIAA EQ.
IC301 (1/2)
M5220P
R318
510
C318
47/25
R320
390K
R322
30K
C320
8200p
CQMA
C322
2400p
CQMA
C317
47/25
C319
8200p
CQMA
C321
2400p
CQMA
R319
390K
R321
30K
R317
510
IC301 (2/2)
(P)
R324
470
C330
2.2/50
R326
220K
C327
330/25
R325
220K
470
R323
C329
2.2/50
C328
330/25
R1301
330
R1302
330
C346
0.01
C345
0.01

NOTED

1. RESISTORS
   Indicated in ohm 1/4W ±5% tolerance unless otherwise noted K:Kohm, M:Mohm
   ⩘⩗ Chip Resistor
2. CAPACITORS
   Indicated in capacity(uF)/voltage(V) unless otherwise noted p:pF
   Indication without voltage is 50V except electrolytic capacitor.
   ⊣⊢ Chip Capacitor

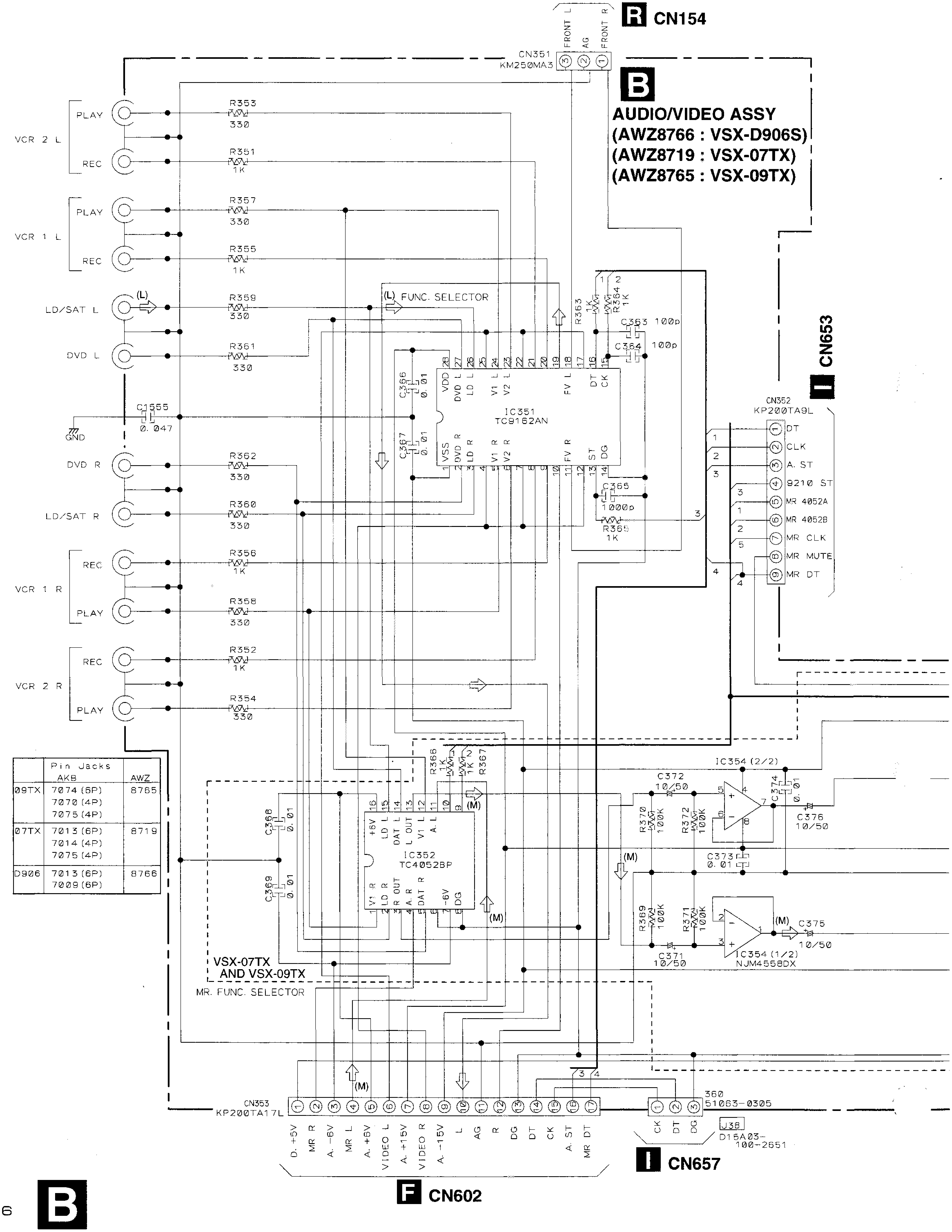
⇨ : AUDIO SIGNAL ROUTE
(P)⇨ : AUDIO SIGNAL ROUTE (PHONO)
(T)⇨ : AUDIO SIGNAL ROUTE (TUNER)
(M)⇨ : AUDIO SIGNAL ROUTE (MROUT)

A AUDIO ASSY
(AWZ8763 : VSX-D906S)
(AWZ8718 : VSX-07TX)
(AWZ8762 : VSX-09TX)

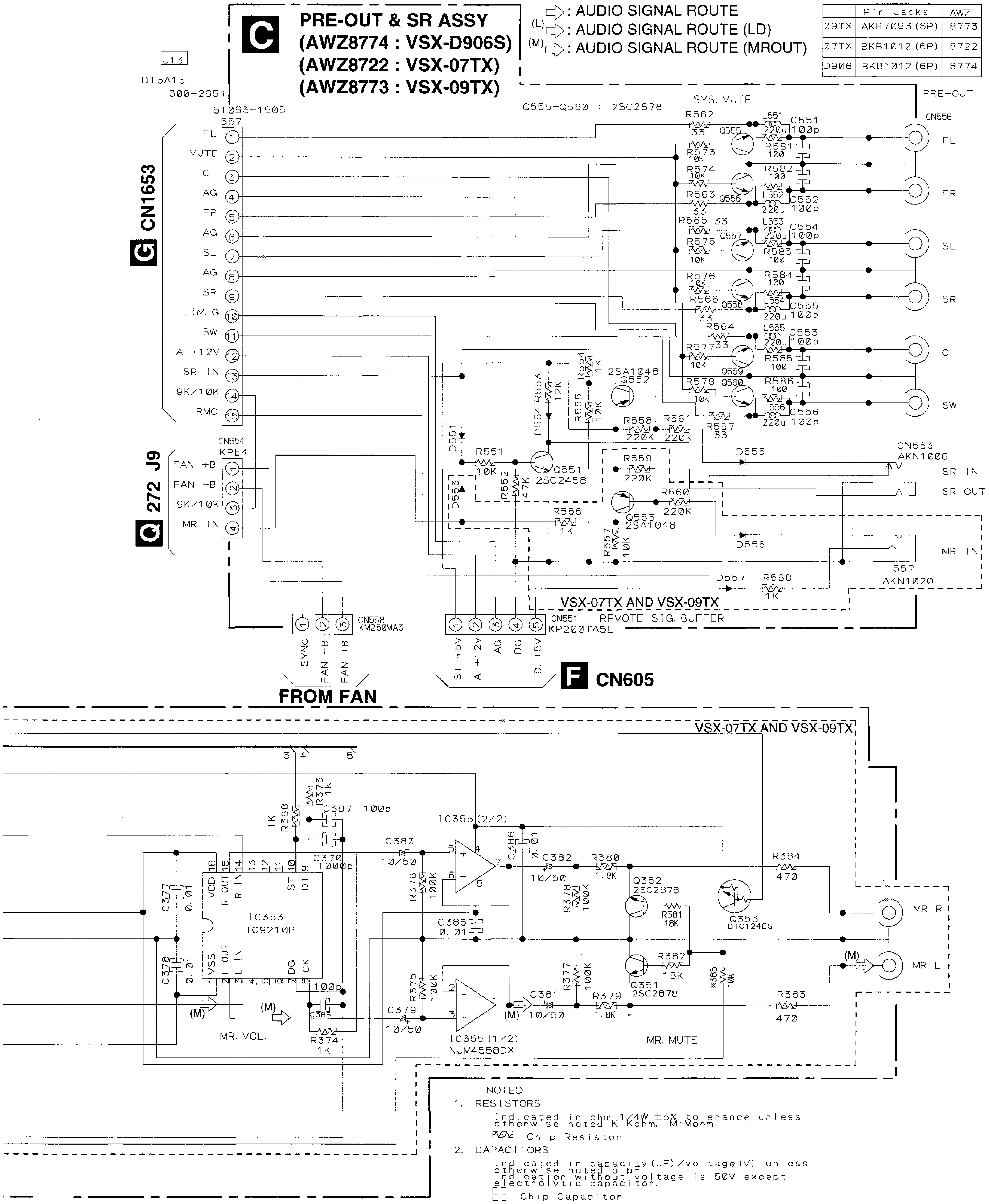


R336 1K
R335 1K
C336 100p
C335 100p
C332 2.2/50
IC302(1/2) NJM4558DX
C342 47/25
R334 100
R328 100K
R330 100K
R332 220K
IC303 TC9164AN
VDD TP1 R TUN. R CD R PHO. R TP2 R R OUT DT CK
VSS TP1 L TUN. L CD L PHO. L TP2L L OUT ST DG
R327 100K
R329 100K
C333 100/25
R331 220K
C341 47/25
R333 100
C331 2.2/50
C334 100/25
ONLY
IC302(2/2)
BUFFER
1000p
C337
R337 1K
(P)
(T)
FUNC. SELECTOR
(M)
C1301 1000P
C1311 1000P
C1312 100P
CN301 KM200IB14
STEREO
D. +5V
A. +12V
TUNE
T. MUTE
MONO
TUNER L
G
TUNER R
CK
DT
T. CE
NC
NC
U CN6201
CN303 KP200TA19L
T. CE
TUNE
STEREO
EXP. Q
DT
CK
A. ST
MR CLK
T. MUTE
MONO
EXP1 ST
MR4052B
7951 MUTE
MR4052A
4051C
4051B
4051A
V. +5V
DSP O. L
I CN652
CN302 KP200TA18L
AG. REF
AG. REF
MR. R
A. -6V
MR. L
A. +6V
VIDEO L
A. +15V
VIDEO R
A. -15V
L
AG
R
A. +12V
D. +5V
DG
DSP O. L
MR DT
F CN601

3.3 AUDIO/VIDEO ASSY AND PRE-OUT & SR ASSY


R CN154
FRONT L
AG
FRONT R
CN351
KM250MA3
B
AUDIO/VIDEO ASSY
(AWZ8766 : VSX-D906S)
(AWZ8719 : VSX-07TX)
(AWZ8765 : VSX-09TX)
VCR 2 L
PLAY
REC
R353 330
R351 1K
VCR 1 L
R357 330
R355 1K
LD/SAT L
(L)
R359 330
DVD L
R361 330
(L) FUNC. SELECTOR
R363 1K
R364 1K
C363 100p
C364 100p
C366 0.01
C367 0.01
C1555 0.047
GND
IC351
TC9162AN
VDD
DVD L
LD L
V1 L
V2 L
FV L
DT
CK
VSS
DVD R
LD R
V1 R
V2 R
FV R
ST
DG
C365 1000p
R365 1K
I CN653
CN352
KP200TA9L
DT
CLK
A. ST
9210 ST
MR 4052A
MR 4052B
MR CLK
MR MUTE
MR DT
DVD R
R362 330
LD/SAT R
R360 330
VCR 1 R
REC
R356 1K
PLAY
R358 330
VCR 2 R
REC
R352 1K
PLAY
R354 330
R366 1K
R367 1K
C368 0.01
C369 0.01
IC352
TC4052BP
+6V
LD L
DAT L
L OUT
V1 L
A. L
V1 R
LD R
R OUT
A. R
DAT R
-6V
DG
(M)
IC354 (2/2)
C372 10/50
R370 100K
R372 100K
C374 0.01
C376 10/50
C373 0.01
R369 100K
R371 100K
C371 10/50
C375 10/50
IC354 (1/2)
NJM4558DX
VSX-07TX
AND VSX-09TX
MR. FUNC. SELECTOR
CN353
KP200TA17L
D. +5V
MR R
A. -6V
MR L
A. +6V
VIDEO L
A. +15V
VIDEO R
A. -15V
L
AG
R
DG
DT
CK
A. ST
MR DT
360
51063-0305
CK
DT
DG
J38
D15A03-100-2651
I CN657
F CN602

	Pin Jacks AKB	AWZ
09TX	7074 (6P) 7070 (4P) 7075 (4P)	8765
07TX	7013 (6P) 7014 (4P) 7075 (4P)	8719
D906	7013 (6P) 7009 (6P)	8766


C
PRE-OUT & SR ASSY
(AWZ8774 : VSX-D906S)
(AWZ8722 : VSX-07TX)
(AWZ8773 : VSX-09TX)
: AUDIO SIGNAL ROUTE
(L) : AUDIO SIGNAL ROUTE (LD)
(M) : AUDIO SIGNAL ROUTE (MROUT)
J13
D15A15-300-2651
51063-1505
557
G CN1653
FL
MUTE
C
AG
FR
AG
SL
AG
SR
LIM. G
SW
A. +12V
SR IN
9K/10K
RMC
Q 272 J9
CN554 KPE4
FAN +B
FAN -B
9K/10K
MR IN
Q555–Q560 : 2SC2878
SYS. MUTE
PRE-OUT
CN556
FL
FR
SL
SR
C
SW
R562 33
R573 10K
R574 10K
R563 33
R565 33
R575 10K
R576 10K
R566 33
R564
R577 33
R578 10K
R567 33
L551 220u
L552 220u
L553 220u
L554 220u
L555 220u
L556 220u
C551 100p
C552 100p
C554 100p
C555 100p
C553 100p
C556 100p
R581 100
R582 100
R583 100
R584 100
R585 100
R586 100
Q555
Q556
Q557
Q558
Q559
Q560
R554 1K
2SA1048 Q552
R553 12K
D554
R555 10K
R558 220K
R561 220K
D551
R551 10K
Q551 2SC2458
D553
R552 47K
R559 220K
R560 220K
Q553 2SA1048
R556 1K
R557 10K
D555
D556
D557
R568 1K
CN553 AKN1006
SR IN
SR OUT
MR IN
552 AKN1020
VSX-07TX AND VSX-09TX
CN551 REMOTE SIG. BUFFER
KP200TA5L
CN558 KM250MA3
SYNC
FAN -B
FAN +B
FROM FAN
ST. +5V
A. +12V
AG
DG
D. +5V
F CN605
VSX-07TX AND VSX-09TX
R368 1K
R373 1K
C387 100p
C370 1000p
IC355 (2/2)
C380 10/50
R376 100K
C386 0.01
C382 10/50
R380 1.8K
R384 470
C377 0.01
C378 0.01
IC353 TC9210P
VDD
R OUT
R IN
ST
DT
VSS
L OUT
L IN
DG
CK
C385 0.01
R378 100K
Q352 2SC2878
R381 18K
Q353 DTC124ES
MR R
MR L
R382 18K
R385 10K
Q351 2SC2878
C388 100p
R374 1K
MR. VOL.
R375 100K
C379 10/50
IC355 (1/2) NJM4558DX
C381 10/50
R377 100K
R379 1.8K
R383 470
MR. MUTE
(M)

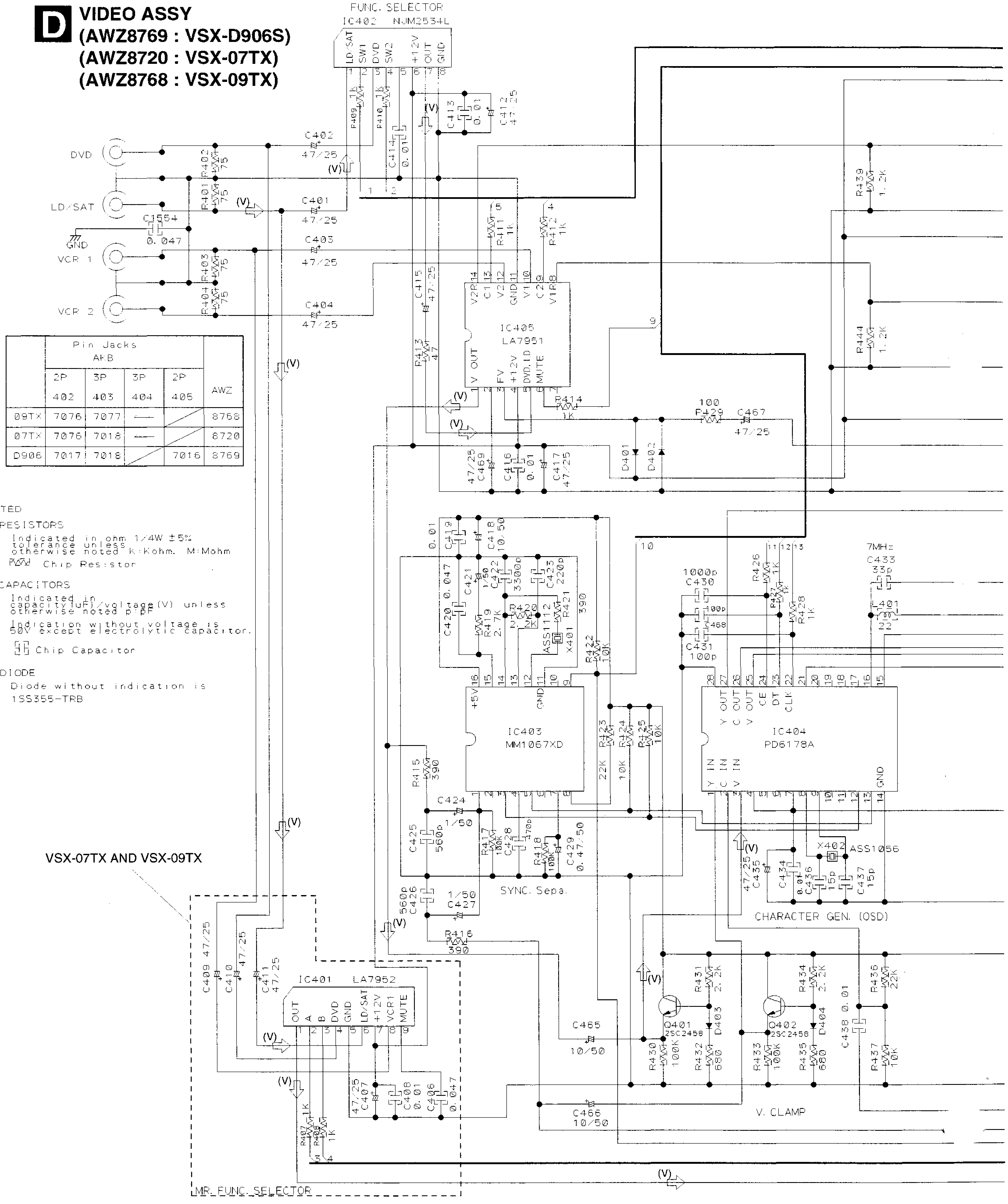
	Pin Jacks	AWZ
09TX	AKB7093 (6P)	8773
07TX	BKB1012 (6P)	8722
D906	BKB1012 (6P)	8774

NOTED

1. RESISTORS
   Indicated in ohm 1/4W ±5% tolerance unless otherwise noted K:Kohm, M:Mohm
   Chip Resistor
2. CAPACITORS
   Indicated in capacity (uF)/voltage (V) unless otherwise noted p:pF
   Indication without voltage is 50V except electrolytic capacitor.
   Chip Capacitor
3. DIODE
   1SS355-TRB

3.4 VIDEO ASSY

D VIDEO ASSY
(AWZ8769 : VSX-D906S)
(AWZ8720 : VSX-07TX)
(AWZ8768 : VSX-09TX)


FUNC. SELECTOR
IC402 NJM2534L
LD/SAT
SW1
DVD
SW2
+12V
OUT
GND
R409 1K
R410 1K
C414 0.01
C413 0.01
C412 47/25
C402 47/25
C401 47/25
C403 47/25
C404 47/25
DVD
LD/SAT
VCR 1
VCR 2
GND
C1554 0.047
R402 75
R401 75
R403 75
R404 75
R411 1K
R412 1K
R439 1.2K
R444 1.2K
IC405
LA7951
V2R
C1
V2
GND
V1
C2
V1R
V OUT
FV
+12V
DVD,LD
MUTE
C415 47/25
R413 47
R414 1K
100
R429
C467 47/25
D401
D402
C469 47/25
C416 0.01
C417 47/25
C419 0.01
C418 10/50
C420 0.047
C421 1/50
C422 3300p
C423 220p
R419 2.7K
R420 2.2K
ASS1112
X401
R421 390
R422 10K
IC403
MM1067XD
+5V
GND
R423 22K
R424 10K
R425 10K
R415 390
C424 1/50
C425 560p
R417 100K
C428 470p
R418 100K
C429 0.47/50
C426 560p
C427 1/50
SYNC. Sepa.
R416 390
1000p
C430
100p
C468
C431 100p
R426 1K
R427 1K
R428 1K
7MHz
C433 33p
L401 22
IC404
PD6178A
Y OUT
C OUT
V OUT
CE
DT
CLK
Y IN
C IN
V IN
GND
X402
ASS1056
C435 47/25
C434 0.01
C436 15p
C437 15p
CHARACTER GEN. (OSD)
R431 2.2K
D403
Q401 2SC2458
R430 100K
R432 680
R434 2.2K
D404
Q402 2SC2458
R433 100K
R435 680
C438 0.01
R436 22K
R437 10K
C465 10/50
C466 10/50
V. CLAMP
VSX-07TX AND VSX-09TX
C409 47/25
C410 47/25
C411 47/25
IC401 LA7952
OUT
A
B
DVD
GND
LD/SAT
+12V
VCR1
MUTE
C407 47/25
C408 0.01
C406 0.047
R407 1K
R408 1K
MR. FUNC. SELECTOR
(V)

	Pin Jacks AKB				AWZ
	2P 402	3P 403	3P 404	2P 405	
09TX	7076	7077	←	╱	8768
07TX	7076	7018	←	╱	8720
D906	7017	7018	╱	7016	8769

NOTED

1.PESISTORS

Indicated in ohm 1/4W ±5% tolerance unless otherwise noted k:Kohm. M:Mohm

Chip Resistor

2.CAPACITORS

Indicated in capacity(uF)/voltage(V) unless otherwise noted p:pF

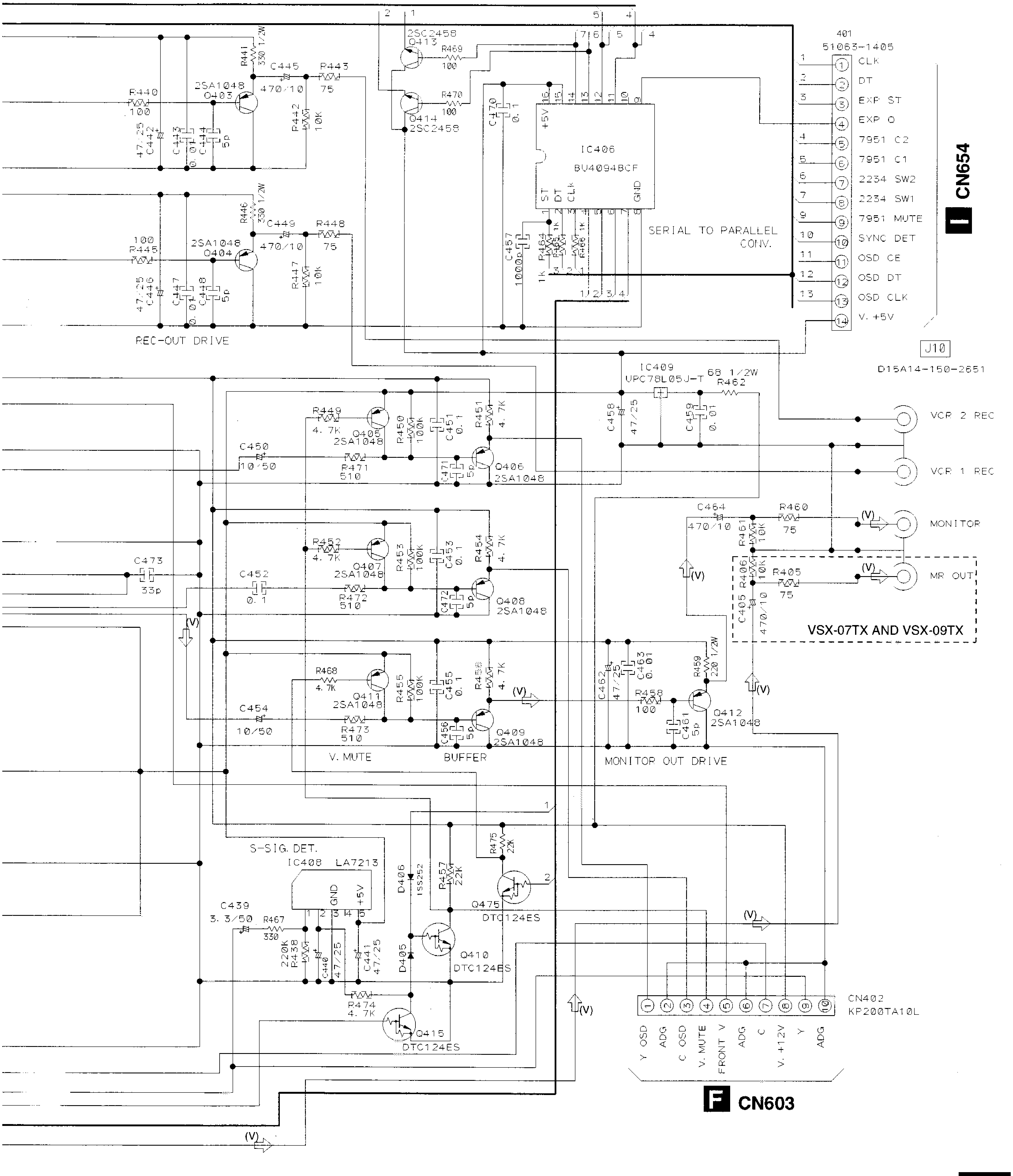
Indication without voltage is 50V except electrolytic capacitor.

Chip Capacitor

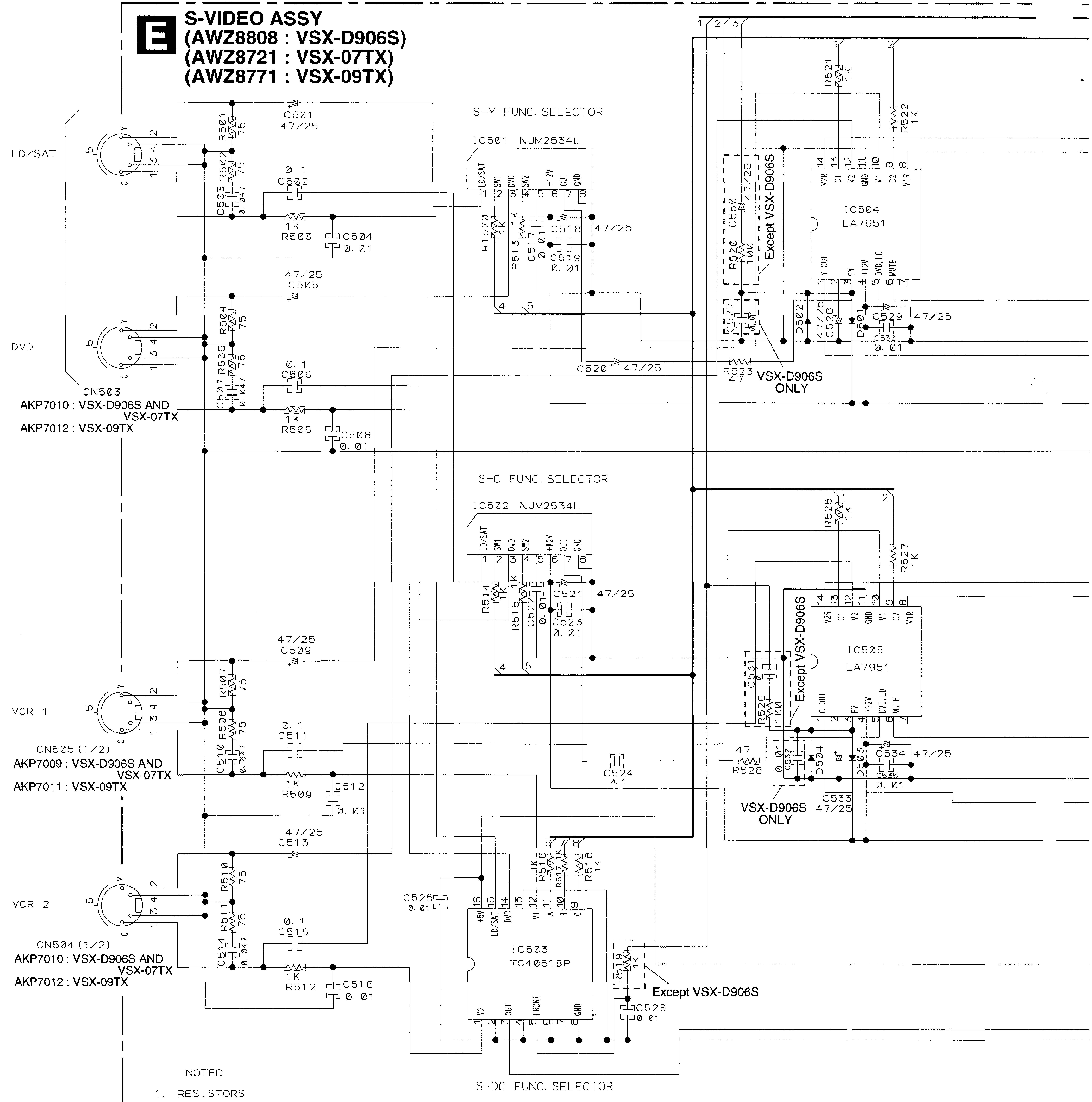
3.DIODE

Diode without indication is 1SS355-TRB

(V) ⇨ : VIDEO SIGNAL ROUTE


REC-OUT DRIVE
R440 100
R441 330 1/2W
C445 470/10
R443 75
2SA1048 Q403
R442 10K
C442 47/25
C443 0.01
C444 5p
R446 330 1/2W
C449 470/10
R448 75
R445 100
2SA1048 Q404
R447 10K
C446 47/25
C447 0.01
C448 5p
2SC2458 Q413
R469 100
R470 100
Q414 2SC2458
C470 0.1
IC406 BU4094BCF
+5V
ST DT CLK GND
C457 1000p
R464 1K
R465 1K
R466 1K
SERIAL TO PARALLEL CONV.
401 51063-1405
CLK
DT
EXP ST
EXP O
7951 C2
7951 C1
2234 SW2
2234 SW1
7951 MUTE
SYNC DET
OSD CE
OSD DT
OSD CLK
V. +5V
CN654
I
J10
D15A14-150-2651
IC409 UPC78L05J-T
R462 68 1/2W
C458 47/25
C459 0.01
VCR 2 REC
VCR 1 REC
MONITOR
MR OUT
C464 470/10
R460 75
R461 10K
R406 10K
R405 75
C405 470/10
VSX-07TX AND VSX-09TX
R449 4.7K
Q405 2SA1048
R450 100K
C451 0.1
R451 4.7K
C450 10/50
R471 510
C471 5p
Q406 2SA1048
R452 4.7K
Q407 2SA1048
R453 100K
C453 0.1
R454 4.7K
C473 33p
C452 0.1
R472 510
C472 5p
Q408 2SA1048
R468 4.7K
Q411 2SA1048
R455 100K
C455 0.1
R456 4.7K
C454 10/50
R473 510
C456 5p
Q409 2SA1048
V. MUTE
BUFFER
C462 47/25
C463 0.01
R459 220 1/2W
R458 100
C461 5p
Q412 2SA1048
MONITOR OUT DRIVE
S-SIG. DET.
IC408 LA7213
GND +5V
C439 3.3/50
R467 330
R438 220K
C440 47/25
C441 47/25
D406 1SS252
R457 22K
R475 22K
Q475 DTC124ES
D405
Q410 DTC124ES
R474 4.7K
Q415 DTC124ES
CN402 KP200TA10L
Y OSD
ADG
C OSD
V. MUTE
FRONT V
ADG
C
V. +12V
Y
ADG
F CN603
(V)

3.5 S-VIDEO ASSY


E
S-VIDEO ASSY
(AWZ8808 : VSX-D906S)
(AWZ8721 : VSX-07TX)
(AWZ8771 : VSX-09TX)
LD/SAT
DVD
VCR 1
VCR 2
CN503
AKP7010 : VSX-D906S AND VSX-07TX
AKP7012 : VSX-09TX
CN505 (1/2)
AKP7009 : VSX-D906S AND VSX-07TX
AKP7011 : VSX-09TX
CN504 (1/2)
AKP7010 : VSX-D906S AND VSX-07TX
AKP7012 : VSX-09TX
S-Y FUNC. SELECTOR
IC501 NJM2534L
S-C FUNC. SELECTOR
IC502 NJM2534L
IC503 TC4051BP
S-DC FUNC. SELECTOR
IC504 LA7951
IC505 LA7951
Except VSX-D906S
VSX-D906S ONLY
C501 47/25
C502 0.1
C503 0.047
C504 0.01
C505 47/25
C506 0.1
C507 0.047
C508 0.01
C509 47/25
C510 0.047
C511 0.1
C512 0.01
C513 47/25
C514 0.047
C515 0.1
C516 0.01
C517 0.01
C518 47/25
C519 0.01
C520 47/25
C521 47/25
C522 0.01
C523 0.01
C524 0.1
C525 0.01
C526 0.01
C527 0.01
C528 47/25
C529 47/25
C530 0.01
C531 0.01
C532 0.01
C533 47/25
C534 47/25
C535 0.01
C550 47/25
R501 75
R502 75
R503 1K
R504 75
R505 75
R506 1K
R507 75
R508 75
R509 1K
R510 75
R511 75
R512 1K
R513 1K
R514 1K
R515 1K
R516 1K
R517 1K
R518 1K
R519 1K
R520 100
R521 1K
R522 1K
R523 47
R525 1K
R526 100
R527 1K
R528 47
R1520 1K
D501
D502
D503
D504

NOTED

1. RESISTORS

Indicated in ohm 1/4W ±5% tolerance unless otherwise noted K:Kohm, M:Mohm

Chip Resistor

2. CAPACITORS

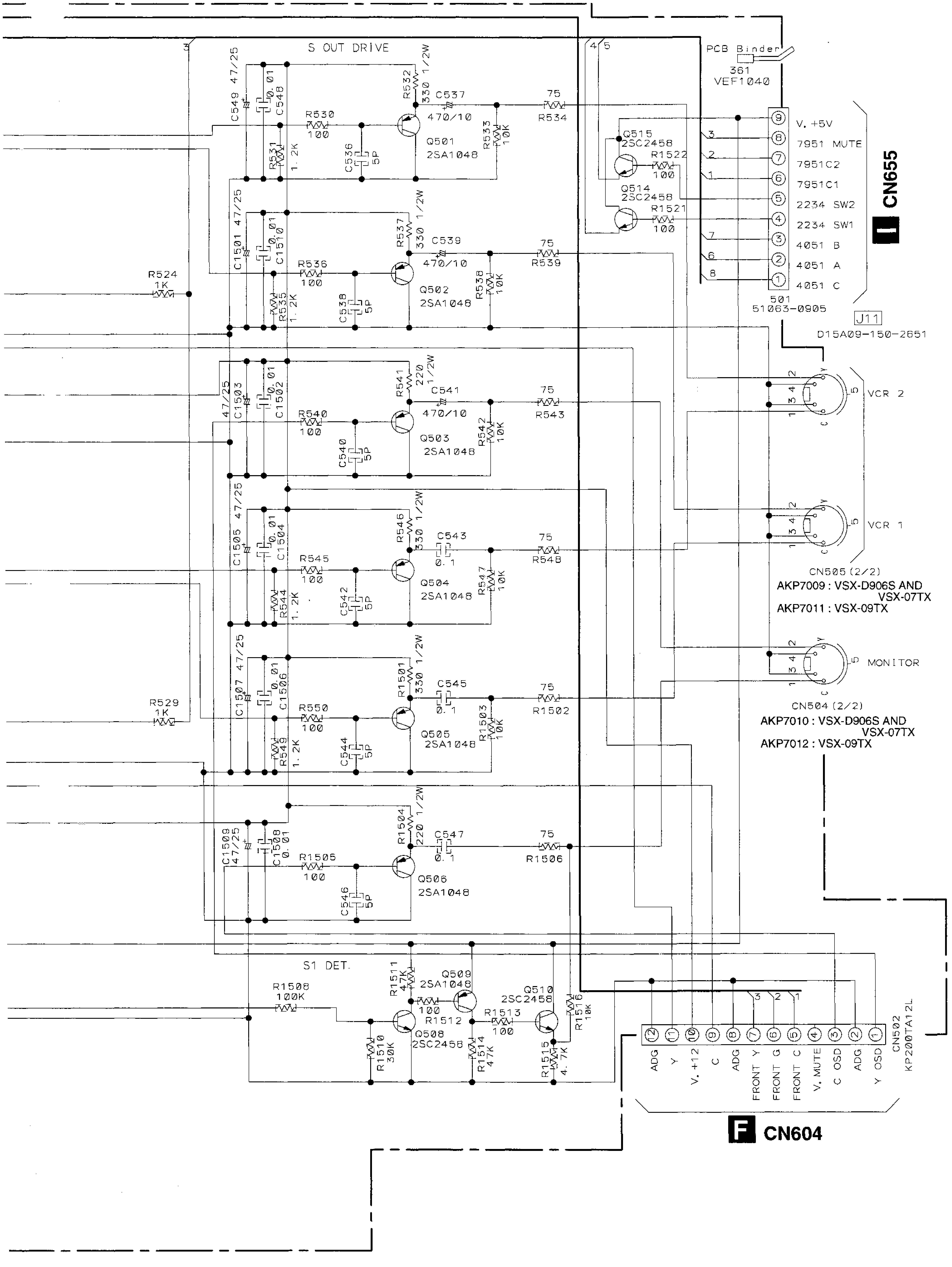
Indicated in capacity(uF)/voltage(V) unless otherwise noted p:pF

Indication without voltage is 50V except electrolytic capacitor

Chip Capacitor

3. DIODE

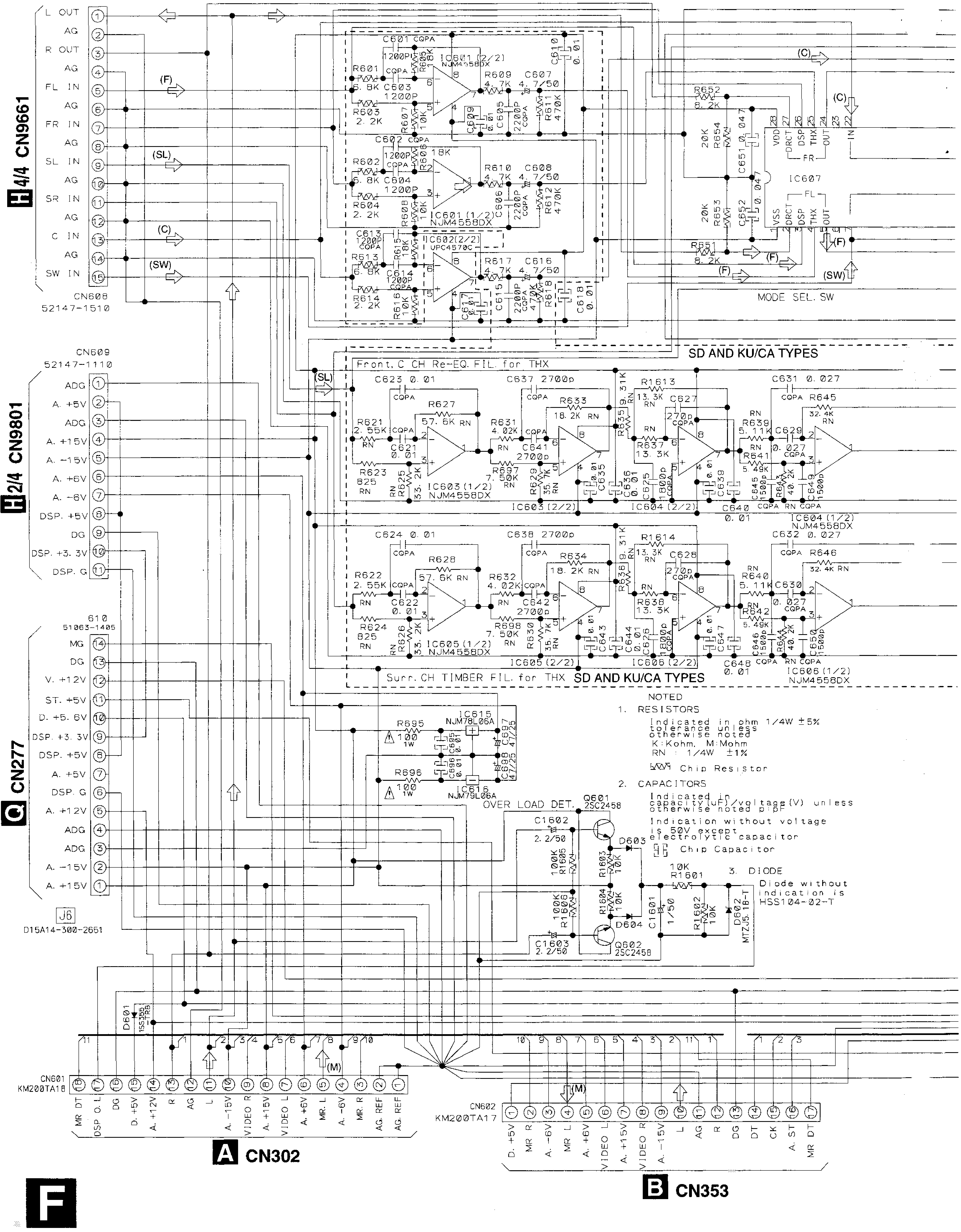
1SS355-TRB


S OUT DRIVE
C549 47/25
C548 0.01
R530 100
R531 1.2K
C536 5P
R532 330 1/2W
C537 470/10
Q501 2SA1048
R533 10K
75 R534
C1501 47/25
C1510 0.01
R536 100
R535 1.2K
C538 5P
R537 330 1/2W
C539 470/10
Q502 2SA1048
R538 10K
75 R539
R524 1K
C1503 47/25
C1502 0.01
R540 100
C540 5P
R541 220 1/2W
C541 470/10
Q503 2SA1048
R542 10K
75 R543
C1505 47/25
C1504 0.01
R545 100
R544 1.2K
C542 5P
R546 330 1/2W
C543 0.1
Q504 2SA1048
R547 10K
75 R548
R529 1K
C1507 47/25
C1506 0.01
R550 100
R549 1.2K
C544 5P
R1501 330 1/2W
C545 0.1
Q505 2SA1048
R1503 10K
75 R1502
C1509 47/25
C1508 0.01
R1505 100
C546 5P
R1504 220 1/2W
C547 0.1
Q506 2SA1048
75 R1506
S1 DET.
R1508 100K
R1510 30K
R1511 47K
Q509 2SA1048
R1512 100
Q508 2SC2458
R1514 47K
Q510 2SC2458
R1513 100
R1515 4.7K
R1516 10K
PCB Binder
361 VEF1040
Q515 2SC2458
R1522 100
Q514 2SC2458
R1521 100
3 4 5
9 V. +5V
8 7951 MUTE
7 7951C2
6 7951C1
5 2234 SW2
4 2234 SW1
3 4051 B
2 4051 A
1 4051 C
501 51063-0905
CN655
J11
D15A09-150-2651
VCR 2
VCR 1
MONITOR
Y C 1 2 3 4 5
12 ADG
11 Y
10 V. +12
9 C
8 ADG
7 FRONT Y
6 FRONT G
5 FRONT C
4 V. MUTE
3 C OSD
2 ADG
1 Y OSD
CN502 KP200TA12L
CN604

CN505 (2/2)
AKP7009 : VSX-D906S AND VSX-07TX
AKP7011 : VSX-09TX

CN504 (2/2)
AKP7010 : VSX-D906S AND VSX-07TX
AKP7012 : VSX-09TX

3.6 E VR ASSY

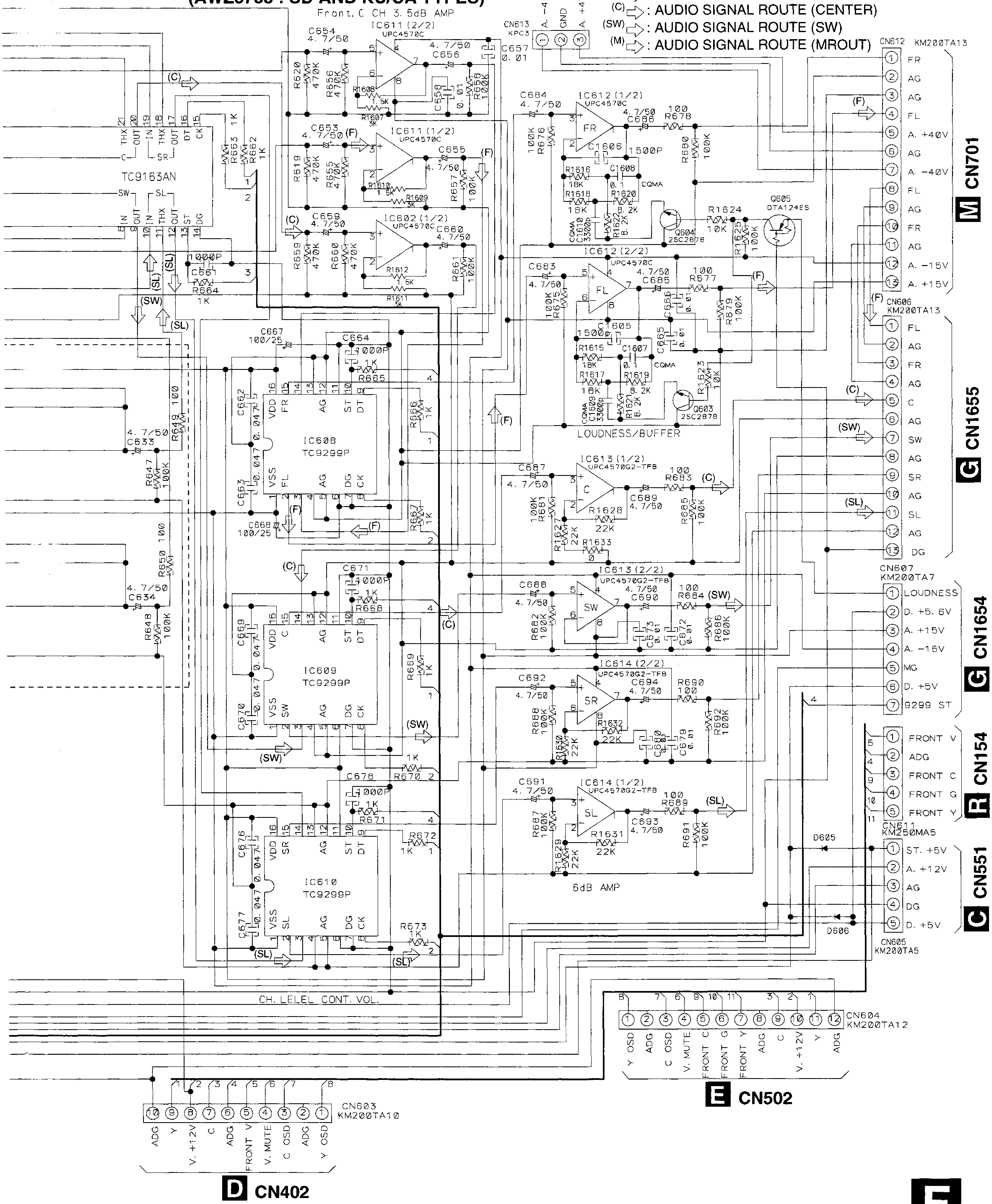

H 4/4 CN9661
L OUT
AG
R OUT
AG
FL IN
AG
FR IN
AG
SL IN
AG
SR IN
AG
C IN
AG
SW IN
CN608
52147-1510
(F)
(SL)
(C)
(SW)
C601 CQPA 1200P
IC601 (2/2) NJM4558DX
R601 6.8K
R603 2.2K
C603 1200P
R605 18K
R607 10K
R609 4.7K
C607 4.7/50
C609 0.01
C605 2200P CQPA
R611 470K
C610 0.01
C602 CQPA 1200P
R602 6.8K
R604 2.2K
C604 1200P
R606 18K
R608 10K
R610 4.7K
C608 4.7/50
C606 2200P CQPA
R612 470K
IC601 (1/2) NJM4558DX
C613 1200P CQPA
IC602 (2/2) UPC4570C
R613 6.8K
R614 2.2K
C614 1200P CQPA
R615 18K
R616 10K
R617 4.7K
C616 4.7/50
C617 0.01
C615 2200P CQPA
R618 470K
C618 0.01
R652 8.2K
R654 20K
C651 0.047
R653 20K
C652 0.047
R651 8.2K
IC607
VDD DRCT DSP THX OUT IN
28 27 26 25 24 23 22
FR
FL
VSS DRCT DSP THX OUT
1 2 3 4 5 6
(C)
(F)
(SW)
MODE SEL. SW
SD AND KU/CA TYPES
H 2/4 CN9801
CN609
52147-1110
ADG
A. +5V
ADG
A. +15V
A. -15V
A. +6V
A. -6V
DSP. +5V
DG
DSP. +3.3V
DSP. G
Front. C CH Re-EQ. FIL. for THX
C623 0.01 CQPA
R627 57.6K RN
R621 2.55K RN
C621 0.01 CQPA
R623 825 RN
R625 33.2K RN
IC603 (1/2) NJM4558DX
C637 2700p CQPA
R631 4.02K RN
C641 2700p
R633 18.2K RN
R697 7.50K RN
R629 35.7K RN
C635 0.01
IC603 (2/2)
R635 9.31K RN
R1613 13.3K RN
C627 270p CQPA
R637 13.3K RN
C625 1800p CQPA
C636 0.01
C639 0.01
IC604 (2/2)
C640 0.01
C631 0.027 CQPA
R645 32.4K RN
R639 5.11K RN
C629 0.027 CQPA
R641 5.49K
C645 1500p CQPA
R643 40.2K RN
C649 1500p CQPA
IC604 (1/2) NJM4558DX
C624 0.01 CQPA
R628 57.6K RN
R622 2.55K RN
C622 0.01 CQPA
R624 825 RN
R626 33.2K RN
IC605 (1/2) NJM4558DX
C638 2700p CQPA
R632 4.02K RN
C642 2700p
R634 18.2K RN
R698 7.50K RN
R630 35.7K RN
C643 0.01
IC605 (2/2)
R636 9.31K RN
R1614 13.3K RN
C628 270p CQPA
R638 13.3K RN
C626 1800p CQPA
C644 0.01
C647 0.01
IC606 (2/2)
C648 0.01
C632 0.027 CQPA
R646 32.4K RN
R640 5.11K RN
C630 0.027 CQPA
R642 5.49K
C646 1500p CQPA
R644 40.2K RN
C650 1500p CQPA
IC606 (1/2) NJM4558DX
Surr. CH TIMBER FIL. for THX
SD AND KU/CA TYPES
Q CN277
610
51063-1405
MG
DG
V. +12V
ST. +5V
D. +5.6V
DSP. +3.3V
DSP. +5V
A. +5V
DSP. G
A. +12V
ADG
ADG
A. -15V
A. +15V
J6
D15A14-300-2651
IC615 NJM78L06A
R695 100 1W
C685 0.01
C697 47/25
R696 100 1W
C686 0.01
C698 47/25
IC616 NJM79L06A
OVER LOAD DET.
Q601 2SC2458
C1602 2.2/50
R1605 100K
R1603 10K
D603
R1604 10K
R1606 100K
D604
C1603 2.2/50
Q602 2SC2458
R1601 10K
C1601 1/50
R1602 10K
D602 MTZJ5.1B-T
D601 1SS355 -TRB
CN601
KM200TA18
MR DT
DSP O.L
DG
D. +5V
A. +12V
R
AG
L
A. -15V
VIDEO R
A. +15V
VIDEO L
A. +6V
MR. L
A. -6V
MR. R
AG. REF
AG. REF
(M)
A CN302
CN602
KM200TA17
D. +5V
MR R
A. -6V
MR L
A. +6V
VIDEO L
A. +15V
VIDEO R
A. -15V
L
AG
R
DG
DT
CK
A. ST
MR DT
B CN353

NOTED

1. RESISTORS
   Indicated in ohm 1/4W ±5% tolerance unless otherwise noted
   K:Kohm, M:Mohm
   RN : 1/4W ±1%
   Chip Resistor
2. CAPACITORS
   Indicated in capacity(uF)/voltage(V) unless otherwise noted p:pF
   Indication without voltage is 50V except electrolytic capacitor
   Chip Capacitor
3. DIODE
   Diode without indication is HSS104-02-T

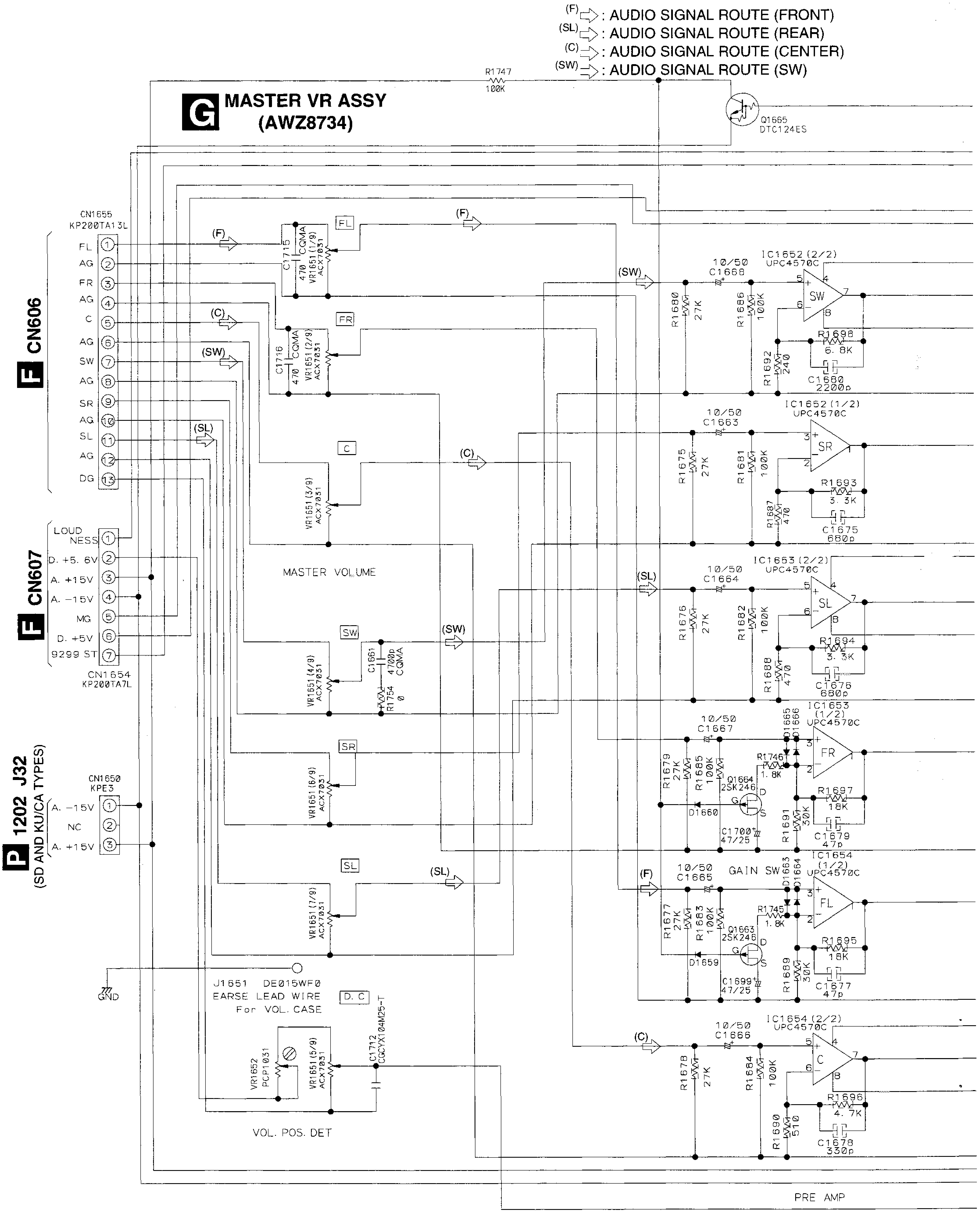
F E VR ASSY
(AWZ8786 : KU AND KC TYPES)
(AWZ8733 : SD AND KU/CA TYPES)

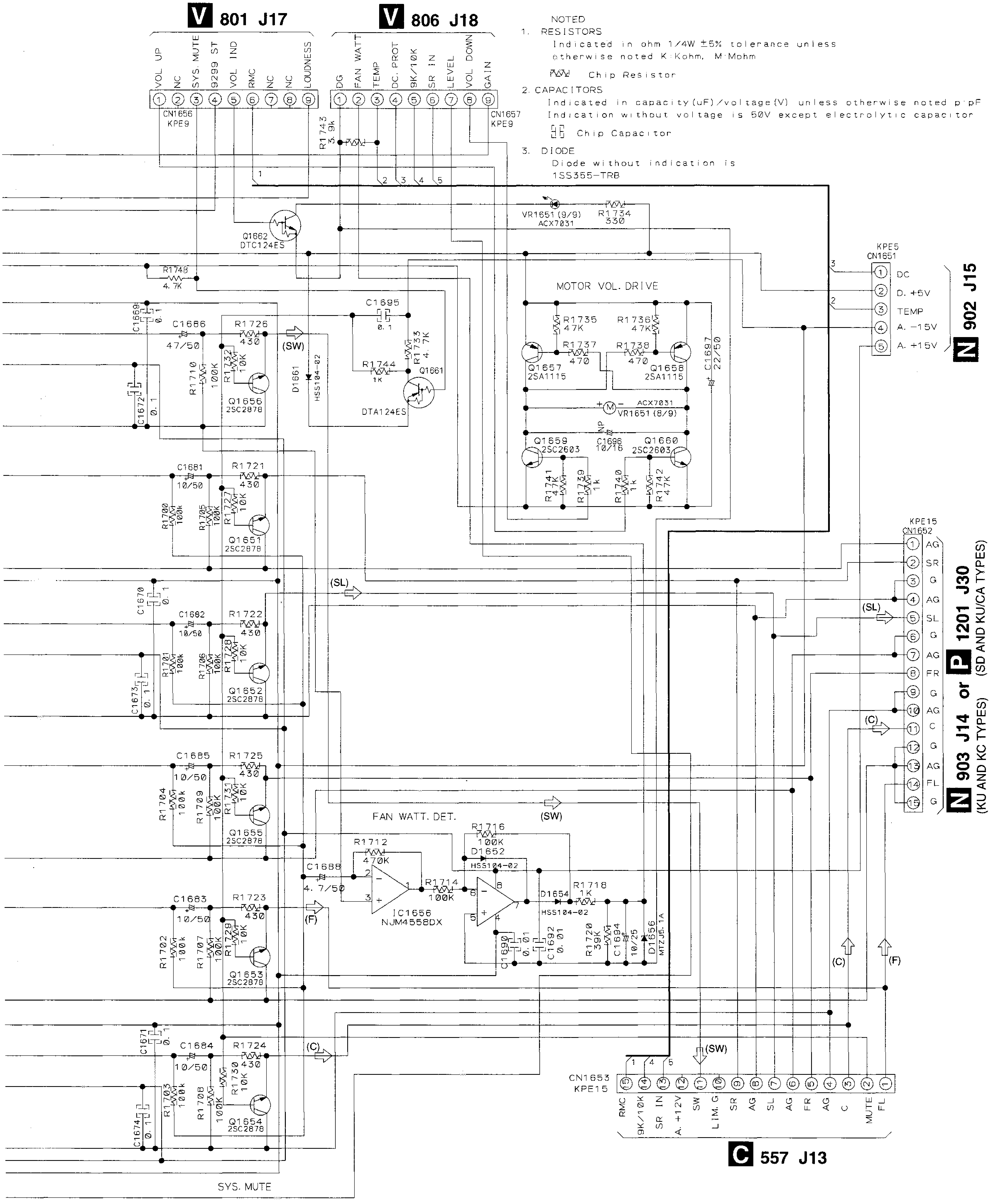
⇨ : AUDIO SIGNAL ROUTE
(F) ⇨ : AUDIO SIGNAL ROUTE (FRONT)
(SL) ⇨ : AUDIO SIGNAL ROUTE (REAR)
(C) ⇨ : AUDIO SIGNAL ROUTE (CENTER)
(SW) ⇨ : AUDIO SIGNAL ROUTE (SW)
(M) ⇨ : AUDIO SIGNAL ROUTE (MROUT)



T 103 J31
CN613 KPC3
A. -40V
GND
A. +40V
Front, C CH 3.5dB AMP
IC611 (2/2) UPC4570C
IC611 (1/2) UPC4570C
IC602 (1/2) UPC4570C
C654 4.7/50
C653 4.7/50
C659 4.7/50
C656 4.7/50
C657 0.01
C658 0.01
C655 4.7/50
C660 4.7/50
R620 470K
R656 470K
R658 100K
R619 470K
R655 470K
R657 100K
R659 470K
R660 470K
R661 100K
R1606 1.5K
R1607 3K
R1610 1.5K
R1609 3K
R1612 1.5K
R1611 3K
TC9163AN
THX 21
OUT 20
IN 19
THX 18
OUT 17
DT 16
CK 15
C
SR
SW
SL
IN 9
OUT 10
IN 12
THX 11
OUT 13
ST 13
DG 14
R663 1K
R662 1K
1000P
C661
R664 1K
IC612 (1/2) UPC4570C
FR
C684 4.7/50
R676 100K
C686 4.7/50
R678 100
R680 100K
C1606 1500P
R1616 18K
R1618 18K
C1608 0.1
R1620 8.2K
CQMA
C1610 3300P
R1622 8.2K
Q604 2SC2878
R1624 10K
Q605 DTA124ES
R1625 100K
IC612 (2/2) UPC4570C
FL
C683 4.7/50
R675 100K
C685 4.7/50
R677 100
C666 0.01
R679 100K
C665 0.01
C1605 1500P
R1615 18K
R1617 18K
C1607 0.1
R1619 8.2K
C1609 3300P
R1621 8.2K
R1623 10K
Q603 2SC2878
LOUDNESS/BUFFER
IC613 (1/2) UPC4570G2-TFB
C687 4.7/50
R681 100K
R683 100
C689 4.7/50
R1628 22K
R685 100K
R1627 22K
R1633 0
IC613 (2/2) UPC4570G2-TFB
C688 4.7/50
R682 100K
C690 4.7/50
R684 100
C673 0.01
C672 0.01
R686 100K
IC614 (2/2) UPC4570G2-TFB
C692 4.7/50
R688 100K
C694 4.7/50
R690 100
R1632 22K
R1630 22K
C680 0.01
C679 0.01
R692 100K
IC614 (1/2) UPC4570G2-TFB
C691 4.7/50
R687 100K
C693 4.7/50
R689 100
R1631 22K
R1629 22K
R691 100K
6dB AMP
C667 100/25
C664 1000P
R665 1K
C662 0.047
C663 0.047
IC608 TC9299P
VDD FR AG ST DT
VSS FL AG DG CK
R666 1K
R667 1K
C668 100/25
R649 100
C633 4.7/50
R647 100K
R650 100
C634 4.7/50
R648 100K
C671 1000P
R668 1K
C669 0.047
C670 0.04
IC609 TC9299P
VDD C AG ST DT
VSS SW AG DG CK
R669 1K
R670 1K
C678 1000P
R671 1K
C676 0.047
C677 0.047
IC610 TC9299P
VDD SR AG ST DT
VSS SL AG DG CK
R672 1K
R673 1K
CH. LELEL CONT. VOL.
CN612 KM200TA13
FR AG AG FL A. +40V AG A. -40V FL AG FR AG A. -15V A. +15V
M CN701
CN606 KM200TA13
FL AG FR AG C AG SW AG SR AG SL AG DG
G CN1655
CN607 KM200TA7
LOUDNESS
D. +5.6V
A. +15V
A. -15V
MG
D. +5V
9299 ST
G CN1654
FRONT V
ADG
FRONT C
FRONT G
FRONT Y
R CN154
CN611 KM250MA5
D605
ST. +5V
A. +12V
AG
DG
D. +5V
D606
C CN551
CN605 KM200TA5
CN604 KM200TA12
Y OSD
ADG
C OSD
V. MUTE
FRONT C
FRONT G
FRONT Y
ADG
C
V. +12V
Y
ADG
E CN502
CN603 KM200TA10
ADG
Y
V. +12V
C
ADG
FRONT V
V. MUTE
C OSD
ADG
Y OSD
D CN402

3.7 MASTER VR ASSY


(F) : AUDIO SIGNAL ROUTE (FRONT)
(SL) : AUDIO SIGNAL ROUTE (REAR)
(C) : AUDIO SIGNAL ROUTE (CENTER)
(SW) : AUDIO SIGNAL ROUTE (SW)
G MASTER VR ASSY
(AWZ8734)
R1747
100K
Q1665
DTC124ES
CN1655
KP200TA13L
FL
AG
FR
AG
C
AG
SW
AG
SR
AG
SL
AG
DG
F CN606
LOUD NESS
D. +5.6V
A. +15V
A. −15V
MG
D. +5V
9299 ST
CN1654
KP200TA7L
F CN607
CN1650
KPE3
A. −15V
NC
A. +15V
P 1202 J32
(SD AND KU/CA TYPES)
C1715
470
CQMA
VR1651(1/9)
ACX7031
FL
C1716
470
CQMA
VR1651(2/9)
ACX7031
FR
C
VR1651(3/9)
ACX7031
MASTER VOLUME
SW
VR1651(4/9)
ACX7031
C1661
4700p
CQMA
R1754
0
SR
VR1651(6/9)
ACX7031
SL
VR1651(7/9)
ACX7031
GND
J1651 DE015WF0
EARSE LEAD WIRE
For VOL. CASE
D. C
VR1652
PCP1031
VR1651(5/9)
ACX7031
C1712
CGCYX104M25-T
VOL. POS. DET
10/50
C1668
IC1652 (2/2)
UPC4570C
R1680
27K
R1686
100K
R1692
240
R1698
6.8K
C1680
2200p
10/50
C1663
IC1652 (1/2)
UPC4570C
R1675
27K
R1681
100K
R1687
470
R1693
3.3K
C1675
680p
10/50
C1664
IC1653 (2/2)
UPC4570C
R1676
27K
R1682
100K
R1688
470
R1694
3.3K
C1676
680p
10/50
C1667
IC1653
(1/2)
UPC4570C
D1665
D1666
R1679
27K
R1685
100K
R1746
1.8K
Q1664
2SK246
D1660
C1700
47/25
R1691
30K
R1697
18K
C1679
47p
10/50
C1665
GAIN SW
D1663
D1664
IC1654
(1/2)
UPC4570C
R1677
27K
R1683
100K
R1745
1.8K
Q1663
2SK246
D1659
C1699
47/25
R1689
30K
R1695
18K
C1677
47p
10/50
C1666
IC1654 (2/2)
UPC4570C
R1678
27K
R1684
100K
R1690
510
R1696
4.7K
C1678
330p
PRE AMP



V 801 J17
VOL UP
NC
SYS. MUTE
9299 ST
VOL IND
RMC
NC
NC
LOUDNESS
CN1656
KPE9
V 806 J18
DG
FAN WATT
TEMP
DC. PROT
9K/10K
SR IN
LEVEL
VOL DOWN
GAIN
CN1657
KPE9
R1743
3.9k
Q1662
DTC124ES
VR1651 (9/9)
ACX7031
R1734
330
R1748
4.7K
C1669
0.1
C1686
47/50
R1726
430
(SW)
R1710
100K
R1732
10K
Q1656
2SC2878
C1672
0.1
D1661
HSS104-02
C1695
0.1
R1733
4.7K
R1744
1K
Q1661
DTA124ES
MOTOR VOL. DRIVE
R1735
47K
R1736
47K
R1737
470
R1738
470
Q1657
2SA1115
Q1658
2SA1115
C1697
22/50
ACX7031
VR1651 (8/9)
NP
C1696
10/16
Q1659
2SC2603
Q1660
2SC2603
R1741
47K
R1739
1K
R1740
1K
R1742
47K
KPE5
CN1651
DC
D. +5V
TEMP
A. −15V
A. +15V
N 902 J15
C1681
10/50
R1721
430
R1700
100k
R1705
100K
R1727
10K
Q1651
2SC2878
C1670
0.1
(SL)
C1682
10/50
R1722
430
R1701
100k
R1706
100K
R1728
10K
Q1652
2SC2878
C1673
0.1
KPE15
CN1652
AG
SR
G
AG
SL
G
AG
FR
G
AG
C
G
AG
FL
G
(SL)
(C)
P 1201 J30
(SD AND KU/CA TYPES)
or
N 903 J14
(KU AND KC TYPES)
C1685
10/50
R1725
430
R1704
100K
R1709
100K
R1731
10K
Q1655
2SC2878
FAN WATT. DET.
(SW)
R1716
100K
D1652
HSS104-02
R1712
470K
C1688
4.7/50
R1714
100K
IC1656
NJM4558DX
D1654
HSS104-02
R1718
1K
C1690
0.01
C1692
0.01
R1720
39K
C1694
10/25
D1656
MTZJ5.1A
C1683
10/50
R1723
430
(F)
R1702
100K
R1707
100K
R1729
10K
Q1653
2SC2878
(C)
(F)
C1671
0.1
C1684
10/50
R1724
430
(C)
R1703
100k
R1708
100K
R1730
10K
Q1654
2SC2878
C1674
0.1
(SW)
CN1653
KPE15
RMC
9K/10K
SR IN
A. +12V
SW
LIM. G
SR
AG
SL
AG
FR
AG
C
MUTE
FL
C 557 J13
SYS. MUTE

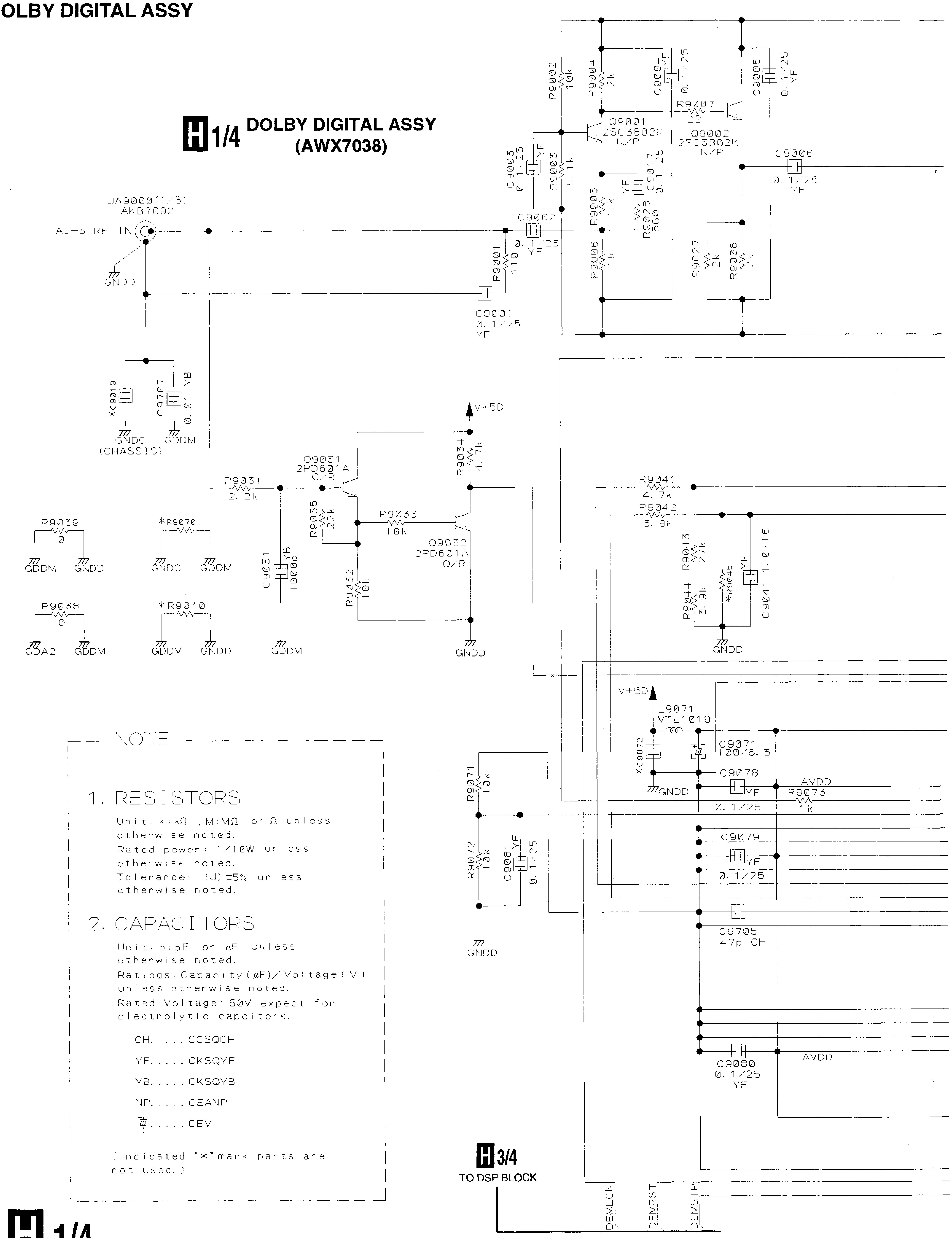
NOTED

1. RESISTORS
Indicated in ohm 1/4W ±5% tolerance unless otherwise noted K:Kohm, M:Mohm
Chip Resistor

2. CAPACITORS
Indicated in capacity(uF)/voltage(V) unless otherwise noted p:pF
Indication without voltage is 50V except electrolytic capacitor
Chip Capacitor

3. DIODE
Diode without indication is 1SS355-TRB

3.8 DOLBY DIGITAL ASSY


H 1/4 DOLBY DIGITAL ASSY
(AWX7038)
JA9000(1/3)
AKB7092
AC-3 RF IN
GNDD
P9002 10k
R9004 2k
C9004 YF 0.1/25
C9005 0.1/25 YF
R9007 1k
Q9001 2SC3802K N/P
Q9002 2SC3802K N/P
C9003 0.1/25 YF
R9003 5.1k
C9017 0.1/25 YF
C9006 0.1/25 YF
R9005 1k
R9028 560
C9002 0.1/25 YF
R9001 110
R9006 1k
R9027 2k
R9008 2k
C9001 0.1/25 YF
*C9019
C9707 0.01 YB
GNDC (CHASSIS)
GDDM
V+5D
R9034 4.7k
Q9031 2PD601A Q/R
R9031 2.2k
R9035 22k
R9033 10k
Q9032 2PD601A Q/R
C9031 YB 1000p
R9032 10k
GDDM
GNDD
R9039 0
GDDM GNDD
*R9070
GNDC GDDM
R9038 0
GDA2 GDDM
*R9040
GDDM GNDD
R9041 4.7k
R9042 3.9k
R9043 27k
R9044 3.9k
*R9045
C9041 1.0/16 YF
GNDD
V+5D
L9071 VTL1019
*C9072
C9071 100/6.3
GNDD
C9078 0.1/25 YF
AVDD
R9073 1k
R9071 10k
R9072 10k
C9081 YF 0.1/25
GNDD
C9079 0.1/25 YF
C9705 47p CH
C9080 0.1/25 YF
AVDD
H 3/4
TO DSP BLOCK
DEMLCK
DEMRST
DEMSTP

NOTE

1. RESISTORS

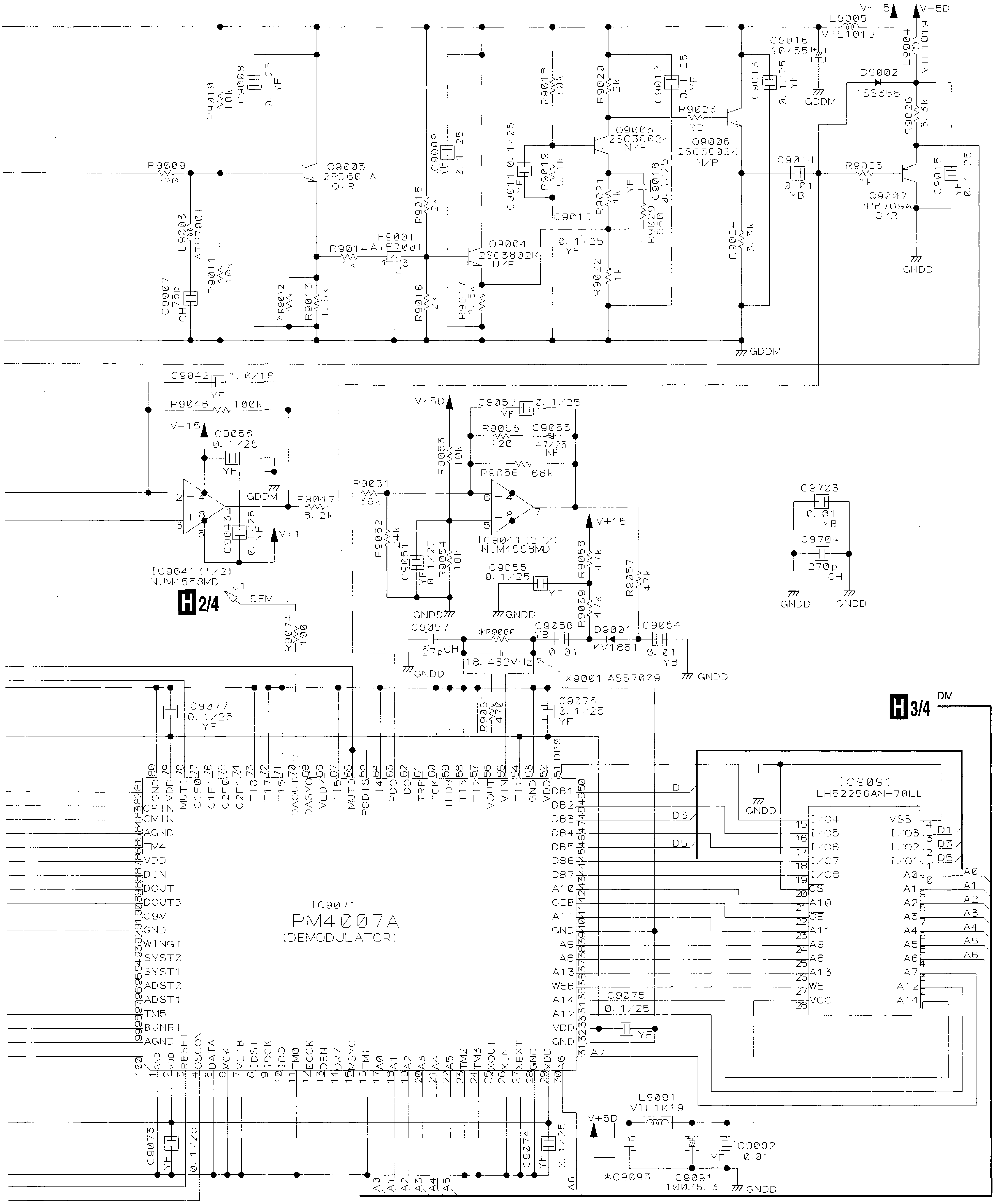
Unit: k:kΩ , M:MΩ or Ω unless otherwise noted.
Rated power: 1/10W unless otherwise noted.
Tolerance: (J) ±5% unless otherwise noted.

2. CAPACITORS

Unit: p:pF or μF unless otherwise noted.
Ratings: Capacity(μF)/Voltage(V) unless otherwise noted.
Rated Voltage: 50V expect for electrolytic capcitors.

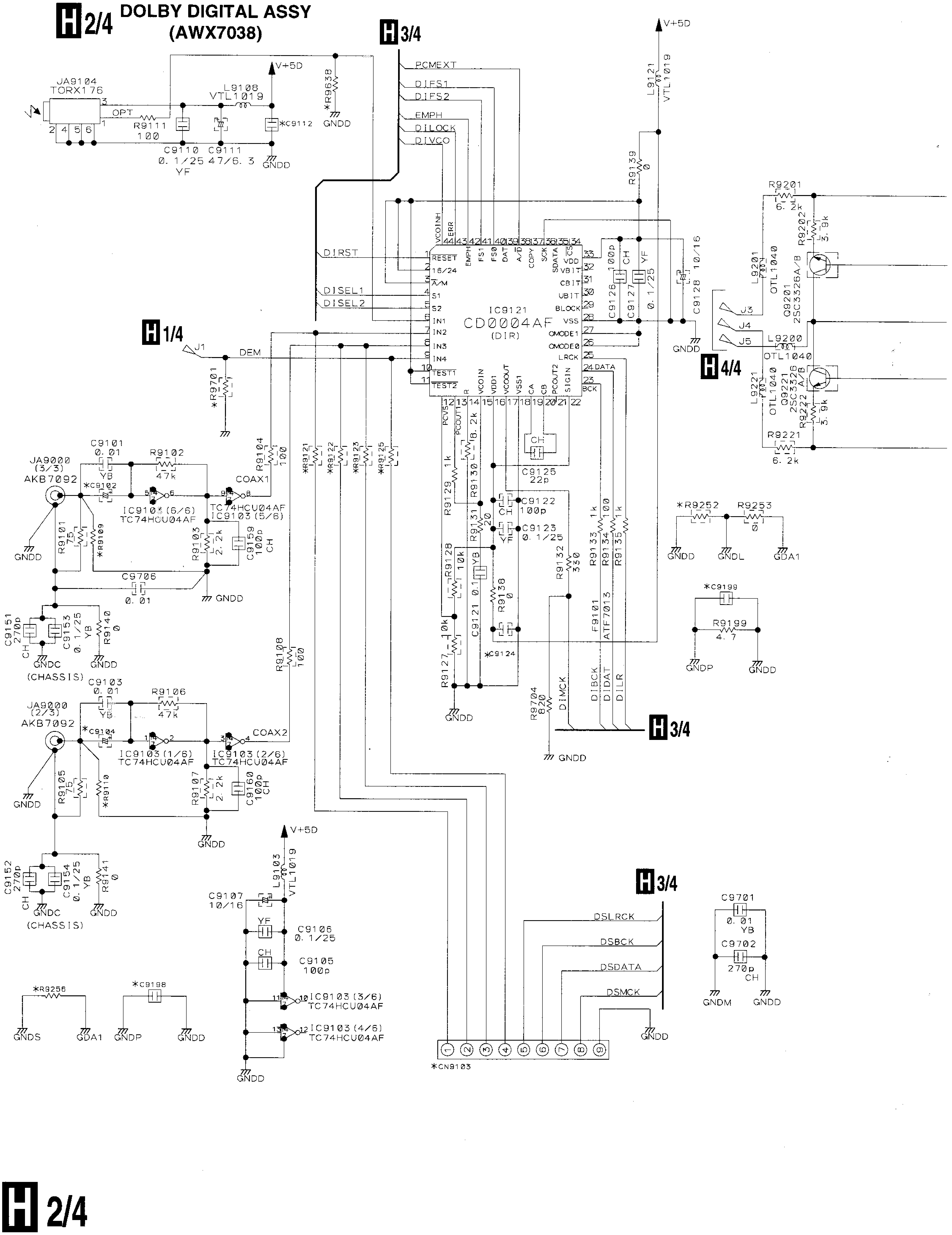
CH.....CCSQCH
YF.....CKSQYF
YB.....CKSQYB
NP.....CEANP
⏚.....CEV

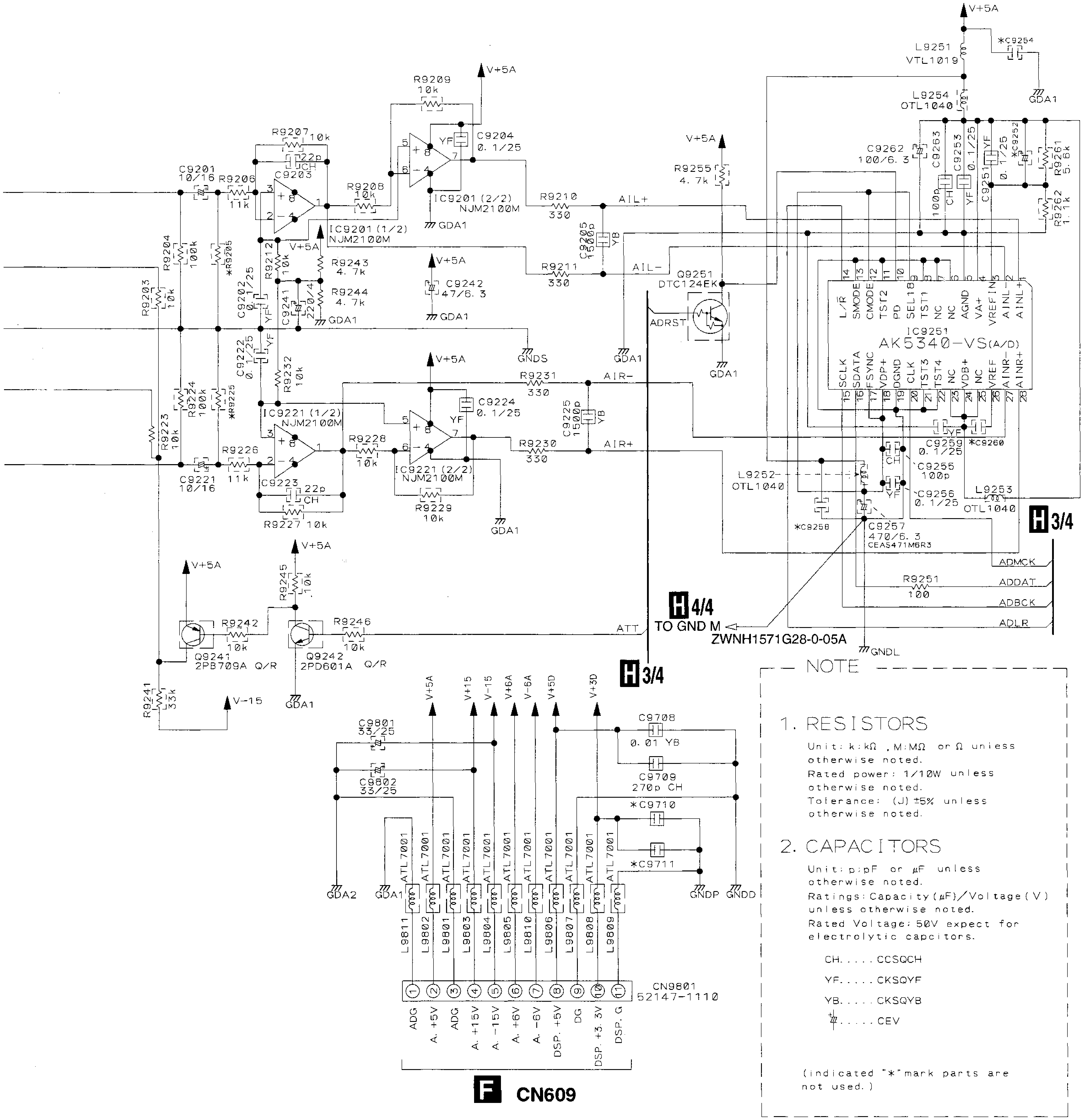
(indicated "*" mark parts are not used.)


V+15
V+5D
L9005
VTL1019
L9004
VTL1019
C9016
10/35
GDDM
D9002
1SS355
R9026
3.3k
C9008
0.1/25
YF
R9010
10k
R9018
10k
R9020
2k
C9012
0.1/25
YF
C9013
0.1/25
YF
R9023
22
Q9005
2SC3802K
N/P
Q9006
2SC3802K
N/P
C9009
YF
0.1/25
C9011
0.1/25
YF
R9019
5.1k
R9021
1k
C9018
0.1/25
YF
R9029
560
C9014
0.01
YB
R9025
1k
Q9007
2PB709A
Q/R
C9015
YF
0.1/25
GNDD
R9009
220
Q9003
2PD601A
Q/R
L9003
ATH7001
R9011
10k
C9007
75p
CH
R9015
2k
R9014
1k
F9001
ATF7001
Q9004
2SC3802K
N/P
C9010
0.1/25
YF
R9024
3.3k
R9022
1k
*R9012
R9013
1.5k
R9016
2k
R9017
1.5k
GDDM
C9042
1.0/16
YF
R9046
100k
V-15
C9058
0.1/25
YF
GDDM
R9047
8.2k
C9043
0.1/25
YF
V+15
IC9041 (1/2)
NJM4558MD
H 2/4
J1
DEM
R9074
100
V+5D
C9052
0.1/25
YF
R9055
120
C9053
47/25
NP
R9053
10k
R9056
68k
R9051
39k
R9052
24k
C9051
0.1/25
YF
R9054
10k
IC9041 (2/2)
NJM4558MD
V+15
R9058
47k
C9055
0.1/25
YF
GNDD
R9059
47k
R9057
47k
C9057
27p
CH
*R9060
C9056
YB
0.01
D9001
KV1851
C9054
0.01
YB
18.432MHz
X9001 ASS7009
GNDD
C9703
0.01
YB
C9704
270p
CH
GNDD
C9077
0.1/25
YF
R9061
470
C9076
0.1/25
YF
H 3/4
DM
IC9071
PM4007A
(DEMODULATOR)
GND
VDD
MUTI
C1F0
C1F1
C2F0
C2F1
TI8
TI7
TI6
DAOUT
DASYO
VLDY
TI5
MUTO
PDDIS
TI4
PDO
TDO
TRP
TCK
TLDB
TI3
TI2
VOUT
VIN
TI1
GND
VDD
DB0
DB1
DB2
DB3
DB4
DB5
DB6
DB7
A10
OEB
A11
GND
A9
A8
A13
WEB
A14
A12
VDD
GND
A7
CPIZ
CMIN
AGND
TM4
VDD
DIN
DOUT
DOUTB
C9M
GND
WINGT
SYST0
SYST1
ADST0
ADST1
TM5
BUNRI
AGND
GND
VDD
RESET
OSCON
DATA
MCK
MLTB
IDST
IDCK
IDO
TM0
ECCK
IDEN
DRY
MSYC
TM1
A0
A1
A2
A3
A4
A5
TM2
TM3
XOUT
XIN
XEXT
GND
VDD
A6
IC9091
LH52256AN-70LL
VSS
I/O4
I/O5
I/O6
I/O7
I/O8
CS
A10
OE
A11
A9
A8
A13
WE
VCC
I/O3
I/O2
I/O1
A0
A1
A2
A3
A4
A5
A6
A7
A12
A14
D1
D3
D5
GNDD
C9075
0.1/25
YF
C9073
0.1/25
YF
C9074
0.1/25
YF
L9091
VTL1019
V+5D
*C9093
C9091
100/6.3
C9092
YF
0.01
GNDD

H 1/4

H 2/4 DOLBY DIGITAL ASSY (AWX7038)


H 3/4
PCMEXT
DIFS1
DIFS2
EMPH
DILOCK
DIVCO
V+5D
JA9104
TORX176
OPT
R9111 100
L9108 VTL1019
C9110 0.1/25 YF
C9111 47/6.3
*C9112
*R9638
GNDD
L9121 VTL1019
R9139 0
IC9121
CD0004AF
(DIR)
RESET
16/24
A/M
S1
S2
IN1
IN2
IN3
IN4
TEST1
TEST2
VCOINH
ERR
EMPH
FS1
FS0
DAT
A/D
COPY
SCK
SDATA
CS
VDD
VBIT
CBIT
UBIT
BLOCK
VSS
CMODE1
CMODE0
LRCK
DATA
BCK
PCVS
R
VCOIN
VDD1
VCOOUT
VSS1
CA
CB
PCOUT2
SIGIN
DIRST
DISEL1
DISEL2
H 1/4
J1
DEM
*R9701
C9126 100p CH
C9127 0.1/25 YF
C9128 10/16
GNDD
R9201 6.2k
R9202 3.9k
L9201 OTL1040
Q9201 2SC3326A/B
J3
J4
J5
L9200 OTL1040
H 4/4
L9221 OTL1040
Q9221 2SC3326 A/B
R9222 3.9k
R9221 6.2k
JA9000 (3/3) AKB7092
C9101 0.01 YB
R9102 47k
*C9102
IC9103 (6/6) TC74HCU04AF
TC74HCU04AF IC9103 (5/6)
COAX1
R9101 75
*R9109
R9103 2.2k
C9159 100p CH
C9706 0.01
R9104 100
*R9121
*R9122
*R9123
*R9125
C9151 270p CH
C9153 0.1/25 YB
R9140 0
GNDC (CHASSIS)
R9129 1k
R9130 8.2k
C9125 22p CH
C9122 100p
C9123 0.1/25
R9131 20
R9128 10k
C9121 0.1 YB
R9138 0
R9132 330
R9133 1k
R9134 100
R9135 1k
F9101 ATF7013
R9127 10k
*C9124
*R9252
R9253 0
GNDL
GDA1
*C9199
R9199 4.7
GNDP
R9108 100
C9103 0.01 YB
R9106 47k
JA9000 (2/3) AKB7092
*C9104
IC9103 (1/6) TC74HCU04AF
IC9103 (2/6) TC74HCU04AF
COAX2
R9105 75
*R9110
R9107 2.2k
C9160 100p CH
R9704 820
DIMCK
DIBCK
DIDAT
DILR
C9152 270p CH
C9154 0.1/25 YB
R9141 0
L9103 VTL1019
C9107 10/16
C9106 0.1/25 YF
C9105 100p CH
IC9103 (3/6) TC74HCU04AF
IC9103 (4/6) TC74HCU04AF
DSLRCK
DSBCK
DSDATA
DSMCK
C9701 0.01 YB
C9702 270p CH
GNDM
*R9256
GNDS
*C9198
*CN9103
① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨


V+5A
L9251
VTL1019
*C9254
GDA1
L9254
OTL1040
C9262
100/6.3
C9263
100p
CH
C9253
0.1/25
YF
C9251
YF
0.1/25
*C9252
R9261
5.6k
R9262
1.1k
R9209
10k
V+5A
C9204
0.1/25
YF
R9207 10k
22p
CH
C9203
C9201
10/16
R9206
11k
R9208
10k
IC9201 (2/2)
NJM2100M
GDA1
R9210
330
AIL+
IC9201 (1/2)
NJM2100M
C9205
1500p
YB
R9204
100k
*R9205
V+5A
R9243
4.7k
V+5A
C9242
47/6.3
GDA1
R9211
330
AIL-
R9203
10k
C9202
0.1/25
YF
R9212
10k
C9241
220/4
R9244
4.7k
GDA1
V+5A
R9255
4.7k
Q9251
DTC124EK
ADRST
GDA1
GNDS
GDA1
C9222
0.1/25
YF
R9232
10k
V+5A
R9231
330
AIR-
C9224
0.1/25
YF
C9225
1500p
YB
R9224
100k
*R9225
R9223
10k
IC9221 (1/2)
NJM2100M
R9228
10k
R9230
330
AIR+
IC9221 (2/2)
NJM2100M
R9226
11k
C9221
10/16
C9223
22p
CH
R9227 10k
R9229
10k
GDA1
L/R̄ SMODE CMODE TST2 PD SEL18 TST1 NC NC AGND VA+ VREFIN AINL- AINL+
14 13 12 11 10 9 8 7 6 5 4 3 2 1
IC9251
AK5340-VS(A/D)
SCLK SDATA FSYNC VDP+ DGND CLK TST3 TST4 NC VDB+ NC VREF AINR- AINR+
15 16 17 18 19 20 21 22 23 24 25 26 27 28
YF
*C9260
C9259
0.1/25
CH
C9255
100p
YF
C9256
0.1/25
L9252
OTL1040
L9253
OTL1040
*C9258
C9257
470/6.3
CEAS471M6R3
H 3/4
ADMCK
ADDAT
R9251
100
ADBCK
ADLR
GNDL
H 4/4
TO GND M
ZWNH1571G28-0-05A
V+5A
V+5A
R9245
10k
R9242
10k
R9246
10k
ATT
Q9241
2PB709A Q/R
Q9242
2PD601A Q/R
GDA1
H 3/4
R9241
33k
V-15
V+5A V+15 V-15 V+6A V-6A V+5D V+3D
C9801
33/25
C9802
33/25
C9708
0.01 YB
C9709
270p CH
*C9710
*C9711
GDA2
GDA1
GNDP
GNDD
ATL7001
L9811 L9802 L9801 L9803 L9804 L9805 L9810 L9806 L9807 L9808 L9809
① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⑩ ⑪
CN9801
52147-1110
ADG
A. +5V
ADG
A. +15V
A. -15V
A. +6V
A. -6V
DSP. +5V
DG
DSP. +3.3V
DSP. G
F CN609

NOTE

1. RESISTORS

Unit: k:kΩ , M:MΩ or Ω unless otherwise noted.

Rated power: 1/10W unless otherwise noted.

Tolerance: (J) ±5% unless otherwise noted.

2. CAPACITORS

Unit: p:pF or μF unless otherwise noted.

Ratings: Capacity(μF)/Voltage(V) unless otherwise noted.

Rated Voltage: 50V expect for electrolytic capcitors.

CH.....CCSQCH
YF.....CKSQYF
YB.....CKSQYB
.....CEV

(indicated "*" mark parts are not used.)

H 3/4 DOLBY DIGITAL ASSY (AWX7038)

NOTE

1. RESISTORS

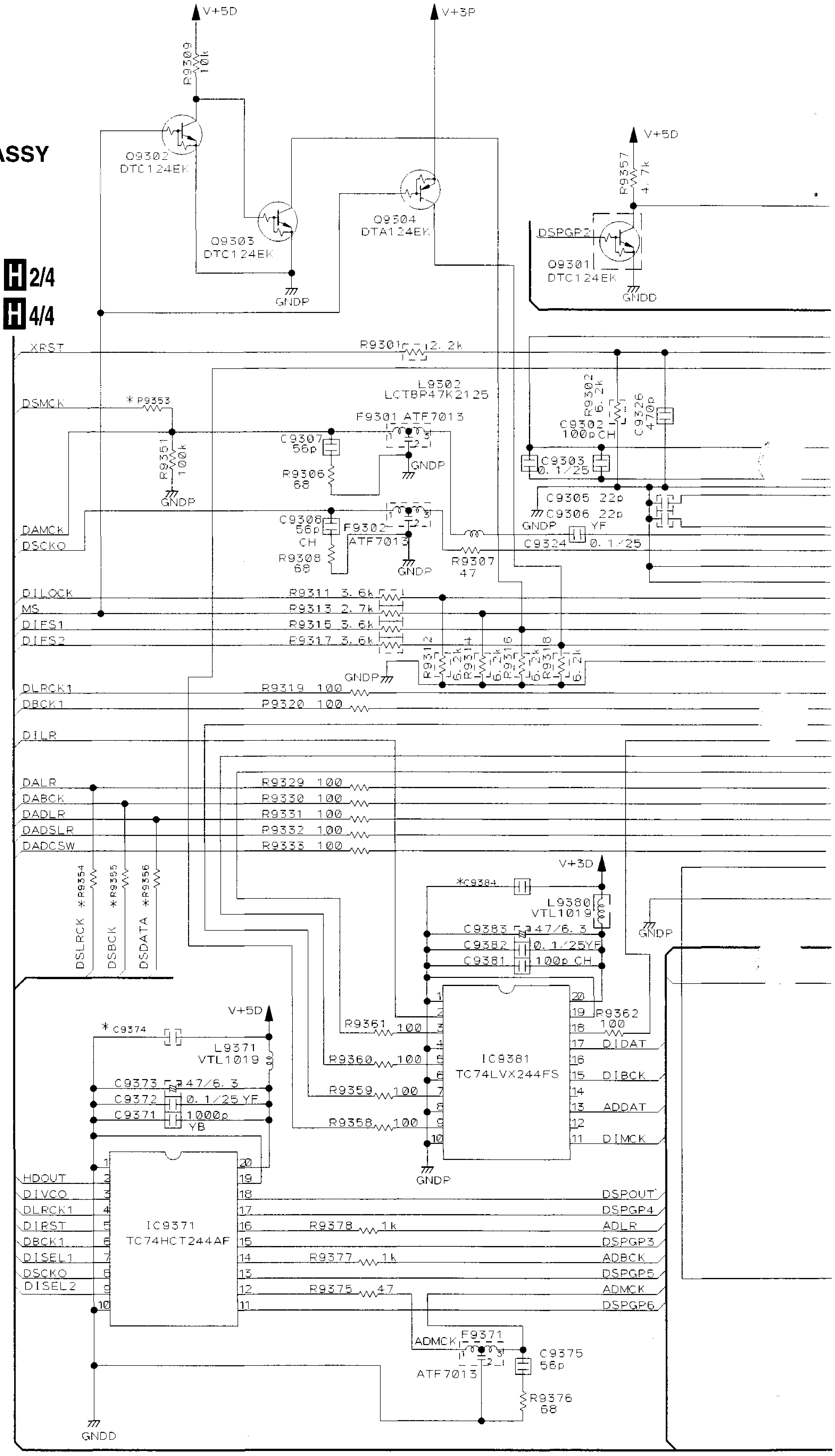
Unit: k:kΩ, M:MΩ or Ω unless otherwise noted.
Rated power: 1/10W unless otherwise noted.
Tolerance: (J) ±5% unless otherwise noted.

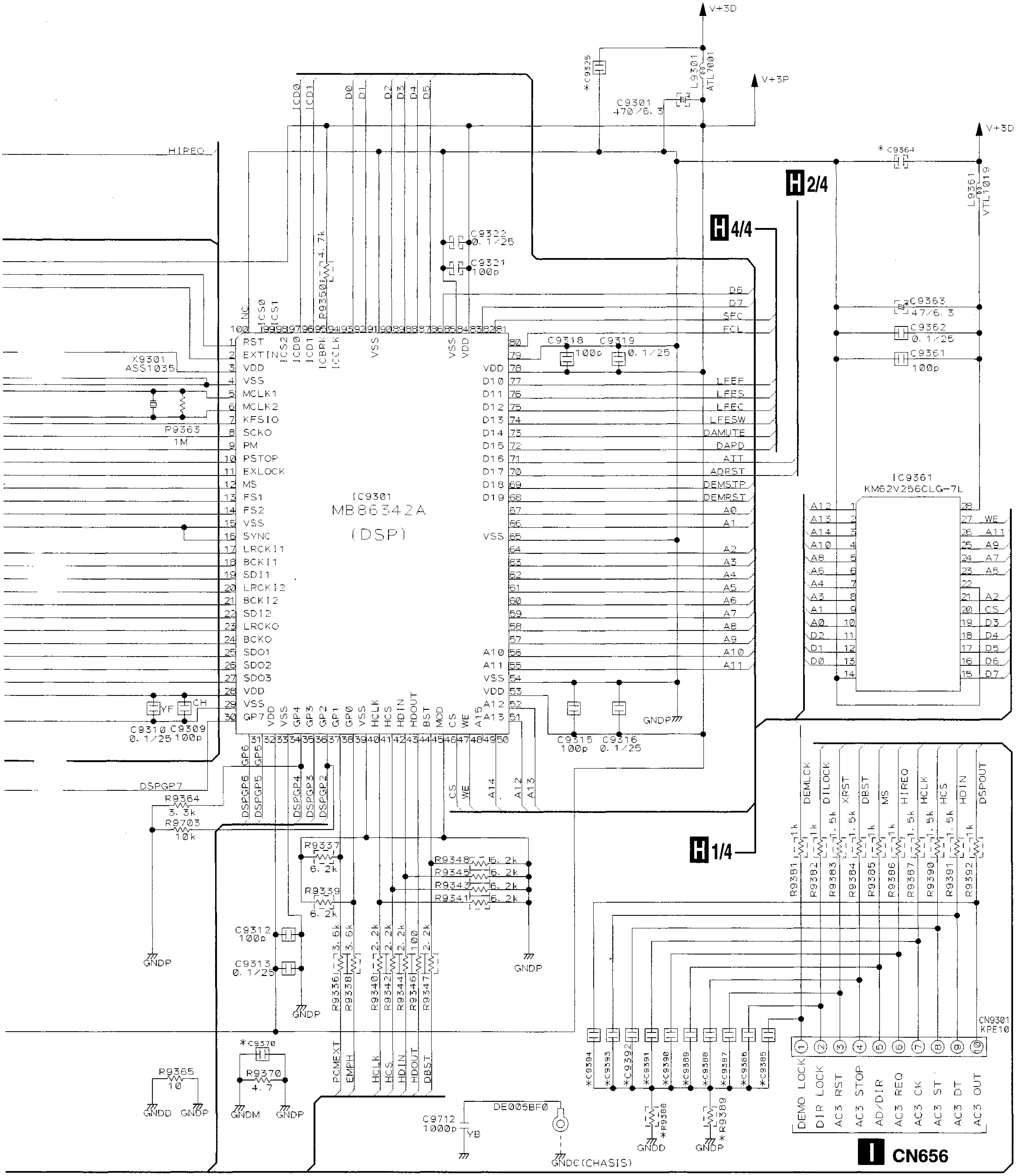
2. CAPACITORS

Unit: p:pF or μF unless otherwise noted.
Ratings: Capacity (μF)/Voltage (V) unless otherwise noted.
Rated Voltage: 50V expect for electrolytic capcitors.

CH.....CCSQCH
YF.....CKSQYF
YB.....CKSQYB
NP.....CEANP
╪.....CEV

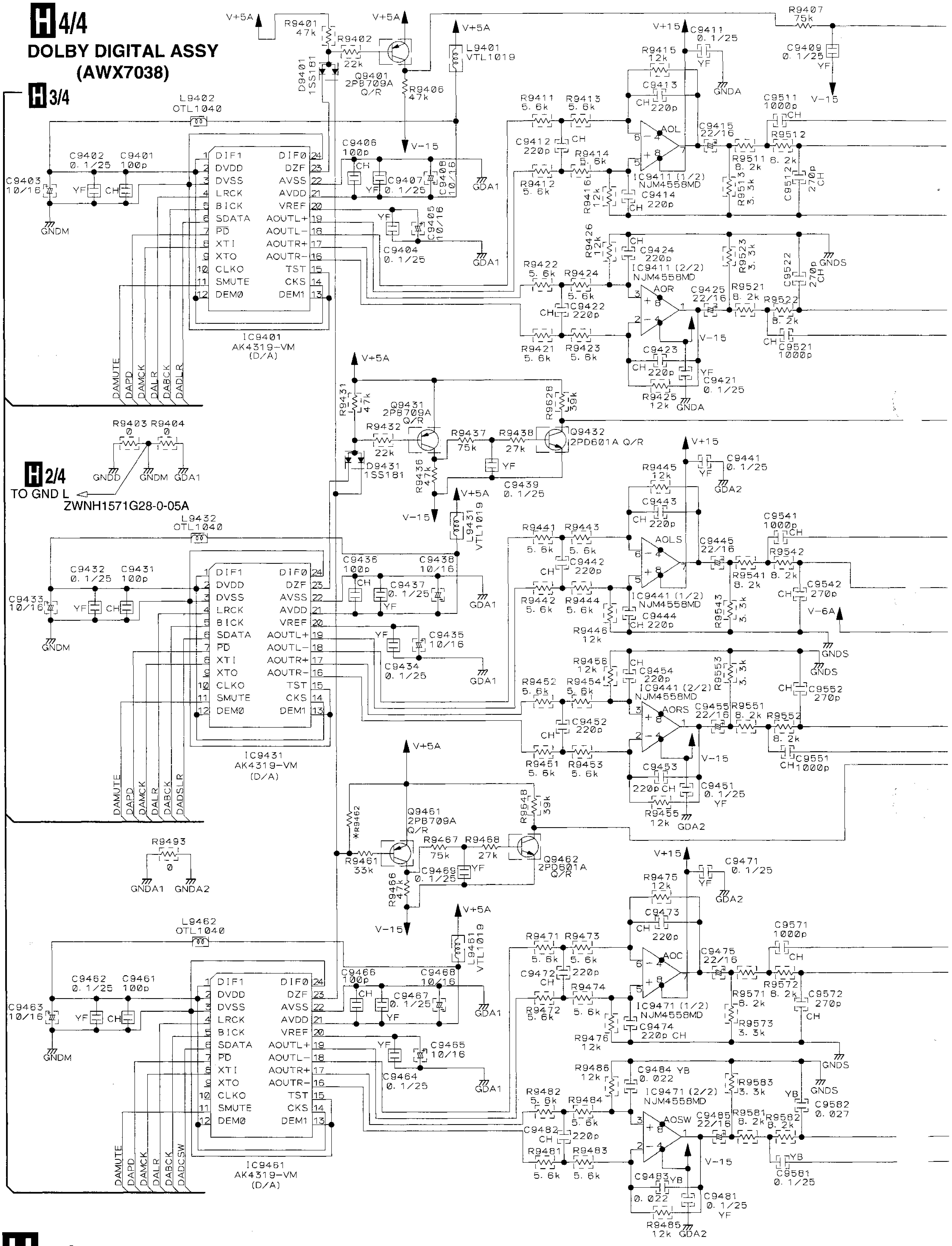
(indicated "*" mark parts are not used.)

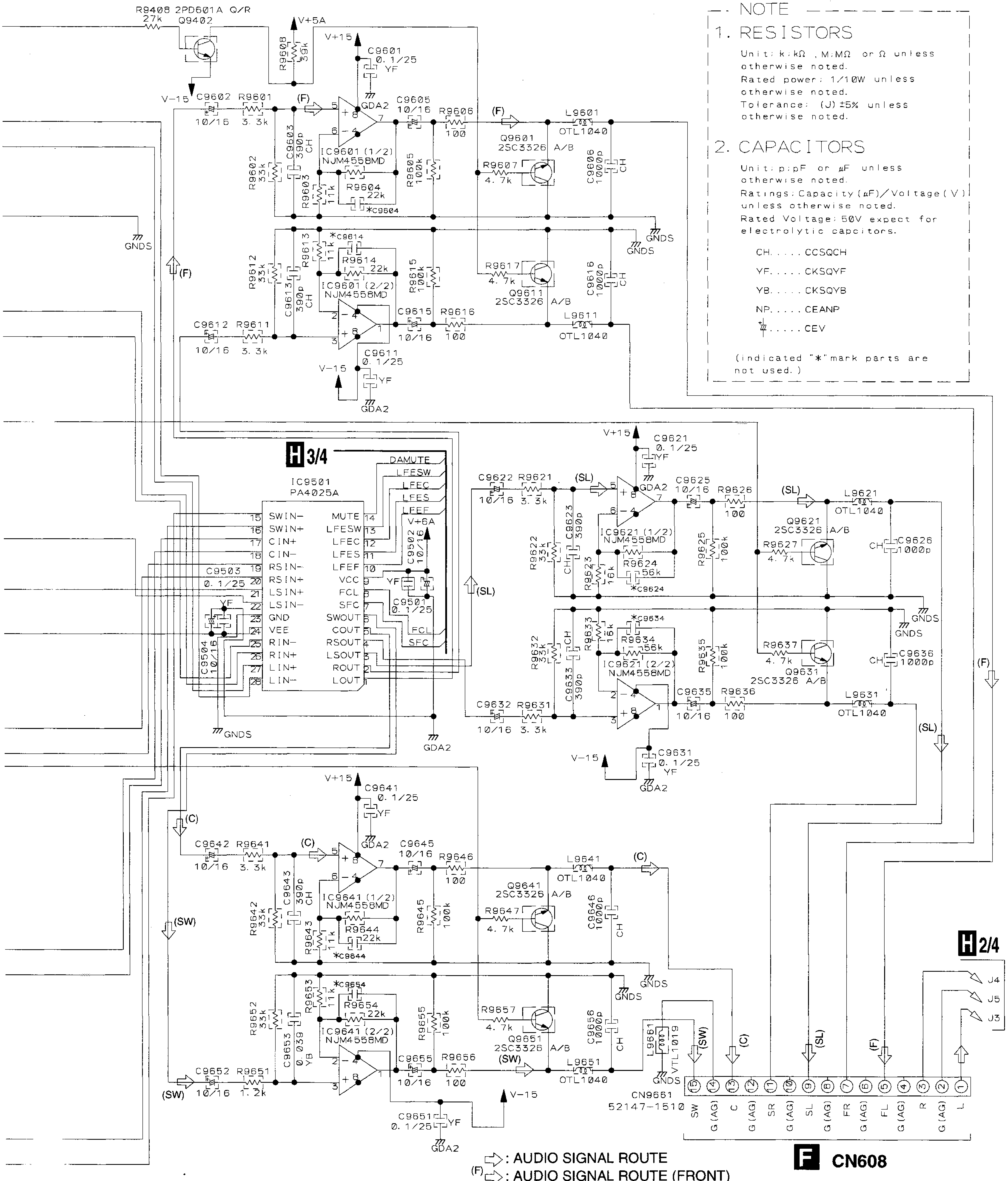

H 2/4
H 4/4
V+5D
V+3P
R9309 10k
Q9302 DTC124EK
Q9303 DTC124EK
Q9304 DTA124EK
GNDP
V+5D
R9357 4.7k
DSPGP2
Q9301 DTC124EK
GNDD
XRST
R9301 2.2k
DSMCK
*R9353
L9302 LCTBR47K2125
F9301 ATF7013
R9351 100k
C9307 56p
R9306 68
R9302 6.2k
C9302 100p CH
C9326 470p
C9303 0.1/25
C9305 22p
C9306 22p
YF
DAMCK
DSCKO
C9308 56p CH
F9302 ATF7013
R9308 68
R9307 47
C9324 0.1/25
DILOCK
MS
DIFS1
DIFS2
R9311 3.6k
R9313 2.7k
R9315 3.6k
R9317 3.6k
R9312 6.2k
R9314 6.2k
R9316 6.2k
R9318 6.2k
DLRCK1
DBCK1
R9319 100
R9320 100
DILR
DALR
DABCK
DADLR
DADSLR
DADCSW
R9329 100
R9330 100
R9331 100
R9332 100
R9333 100
*R9354
*R9355
*R9356
DSLRCK
DSBCK
DSDATA
V+3D
*C9384
L9380 VTL1019
C9383 47/6.3
C9382 0.1/25YF
C9381 100p CH
R9361 100
R9360 100
R9359 100
R9358 100
IC9381 TC74LVX244FS
R9362 100
DIDAT
DIBCK
ADDAT
DIMCK
V+5D
*C9374
L9371 VTL1019
C9373 47/6.3
C9372 0.1/25 YF
C9371 1000p YB
HDOUT
DIVCO
DLRCK1
DIRST
DBCK1
DISEL1
DSCKO
DISEL2
IC9371 TC74HCT244AF
R9378 1k
R9377 1k
R9375 47
DSPOUT
DSPGP4
ADLR
DSPGP3
ADBCK
DSPGP5
ADMCK
DSPGP6
ADMCK
F9371 ATF7013
C9375 56p
R9376 68
GNDD


V+3D
V+3P
*C9325
L9301
ATL7001
C9301
+470/6.3
*C9364
L9361
VTL1019
H 2/4
H 4/4
H 1/4
HIREQ
ICD0
ICD1
D0
D1
D2
D3
D4
D5
R9350 4.7k
C9322 0.1/25
C9321 100p
NC
ICS0
ICS1
D6
D7
SFC
FCL
C9318 100p
C9319 0.1/25
C9363 47/6.3
C9362 0.1/25
C9361 100p
X9301
ASS1035
R9363 1M
1 RST
2 EXTIN
3 VDD
4 VSS
5 MCLK1
6 MCLK2
7 KFSIO
8 SCKO
9 PM
10 PSTOP
11 EXLOCK
12 MS
13 FS1
14 FS2
15 VSS
16 SYNC
17 LRCKI1
18 BCKI1
19 SDI1
20 LRCKI2
21 BCKI2
22 SDI2
23 LRCKO
24 BCKO
25 SDO1
26 SDO2
27 SDO3
28 VDD
29 VSS
30 GP7
ICS2
ICD0
ICD1
ICBPK
ICCLK
VSS
VSS
VDD
80
79
VDD 78
D10 77
D11 76
D12 75
D13 74
D14 73
D15 72
D16 71
D17 70
D18 69
D19 68
67
66
VSS 65
64
63
62
61
60
59
58
57
A10 56
A11 55
VSS 54
VDD 53
A12 52
A13 51
LFEF
LFES
LFEC
LFESW
DAMUTE
DAPD
ATT
ADRST
DEMSTP
DEMRST
A0
A1
A2
A3
A4
A5
A6
A7
A8
A9
A10
A11
IC9301
MB86342A
(DSP)
IC9361
KM62V256CLG-7L
A12 1
A13 2
A14 3
A10 4
A8 5
A6 6
A4 7
A3 8
A1 9
A0 10
D2 11
D1 12
D0 13
14
28
27 WE
26 A11
25 A9
24 A7
23 A5
22
21 A2
20 CS
19 D3
18 D4
17 D5
16 D6
15 D7
GNDP
C9315 100p
C9316 0.1/25
C9310 0.1/25
C9309 100p
YF
CH
VDD
VSS
GP4
GP3
GP2
GP1
GP0
VSS
HCLK
HCS
HDIN
HDOUT
BST
MOD
CS
WE
A15
GP6
GP5
DSPGP7
DSPGP6
DSPGP5
DSPGP4
DSPGP3
DSPGP2
CS
WE
A14
A12
A13
R9364 3.3k
R9703 10k
GNDP
R9337 6.2k
R9339 6.2k
R9348 6.2k
R9345 6.2k
R9343 6.2k
R9341 6.2k
C9312 100p
C9313 0.1/25
GNDP
R9336 3.6k
R9338 3.6k
R9340 2.2k
R9342 2.2k
R9344 2.2k
R9346 100
R9347 2.2k
PCMEXT
EMPH
HCLK
HCS
HDIN
HDOUT
DBST
*C9370
R9370 4.7
GNDM
GNDP
R9365 10
GNDD
GNDP
C9712 1000p
YB
DE005BF0
GNDC(CHASIS)
DEMLCK
DILOCK
XRST
DBST
MS
HIREQ
HCLK
HCS
HDIN
DSPOUT
R9381 1k
R9382 1k
R9383 1.5k
R9384 1.5k
R9385 1k
R9386 1k
R9387 1.5k
R9390 1.5k
R9391 1.5k
R9392 1k
*C9394
*C9393
*C9392
*C9391
*C9390
*C9389
*C9388
*C9387
*C9386
*C9385
*R9388
*R9389
GNDD
GNDP
CN9301
KPE10
① DEMO LOCK
② DIR LOCK
③ AC3 RST
④ AC3 STOP
⑤ AD/DIR
⑥ AC3 REQ
⑦ AC3 CK
⑧ AC3 ST
⑨ AC3 DT
⑩ AC3 OUT
I CN656

H 4/4

DOLBY DIGITAL ASSY
(AWX7038)


H 3/4
H 2/4
TO GND L
ZWNH1571G28-0-05A
V+5A
V+15
V-15
V-6A
R9401 47k
R9402 22k
D9401 1SS181
Q9401 2PB709A Q/R
R9406 47k
L9401 VTL1019
L9402 OTL1040
C9402 0.1/25
C9401 100p
C9403 10/16
GNDM
IC9401 AK4319-VM (D/A)
1 DIF1
2 DVDD
3 DVSS
4 LRCK
5 BICK
6 SDATA
7 PD
8 XTI
9 XTO
10 CLKO
11 SMUTE
12 DEM0
24 DIF0
23 DZF
22 AVSS
21 AVDD
20 VREF
19 AOUTL+
18 AOUTL-
17 AOUTR+
16 AOUTR-
15 TST
14 CKS
13 DEM1
C9406 100p
C9407 0.1/25
C9408 10/16
C9405 10/16
C9404 0.1/25
GDA1
DAMUTE
DAPD
DAMCK
DALR
DABCK
DADLR
R9407 75k
C9411 0.1/25
C9409 0.1/25
GNDA
R9415 12k
C9413 220p
R9411 5.6k
R9413 5.6k
C9412 220p
R9414 5.6k
R9412 5.6k
R9416 12k
AOL
IC9411 (1/2) NJM4558MD
C9414 220p
C9415 22/16
C9511 1000p
R9512 8.2k
R9511 8.2k
R9513 3.3k
C9512 270p
R9426 12k
C9424 220p
R9523 3.3k
IC9411 (2/2) NJM4558MD
C9522 270p
GNDS
R9422 5.6k
R9424 5.6k
AOR
C9425 22/16
R9521 8.2k
R9522 8.2k
C9422 220p
R9421 5.6k
R9423 5.6k
C9423 220p
C9421 0.1/25
C9521 1000p
R9425 12k
R9431 47k
Q9431 2PB709A Q/R
R9432 22k
D9431 1SS181
R9436 47k
R9437 75k
R9438 27k
R9528 39k
Q9432 2PD601A Q/R
C9439 0.1/25
R9403 0
R9404 0
GNDD
GDA1
L9431 VTL1019
L9432 OTL1040
C9432 0.1/25
C9431 100p
C9433 10/16
IC9431 AK4319-VM (D/A)
C9436 100p
C9438 10/16
C9437 0.1/25
C9435 10/16
C9434 0.1/25
DADSLR
C9441 0.1/25
GDA2
R9445 12k
C9443 220p
R9441 5.6k
R9443 5.6k
C9442 220p
AOLS
C9445 22/16
C9541 1000p
R9542 8.2k
R9541 8.2k
C9542 270p
R9442 5.6k
R9444 5.6k
IC9441 (1/2) NJM4558MD
C9444 220p
R9543 3.3k
R9446 12k
R9456 12k
C9454 220p
R9553 3.3k
IC9441 (2/2) NJM4558MD
C9552 270p
R9452 5.6k
R9454 5.6k
AORS
C9455 22/16
R9551 8.2k
R9552 8.2k
C9452 220p
C9551 1000p
R9451 5.6k
R9453 5.6k
C9453 220p
C9451 0.1/25
R9455 12k
R9548 39k
R9462
Q9461 2PB709A Q/R
R9467 75k
R9468 27k
Q9462 2PD601A Q/R
R9461 33k
C9469 0.1/25
R9466 47k
R9493 0
GNDA1
GNDA2
L9461 VTL1019
L9462 OTL1040
C9462 0.1/25
C9461 100p
C9463 10/16
IC9461 AK4319-VM (D/A)
C9466 100p
C9468 10/16
C9467 0.1/25
C9465 10/16
C9464 0.1/25
DADCSW
C9471 0.1/25
R9475 12k
C9473 220p
R9471 5.6k
R9473 5.6k
C9472 220p
AOC
C9475 22/16
C9571 1000p
R9572 8.2k
R9571 8.2k
C9572 270p
R9472 5.6k
R9474 5.6k
IC9471 (1/2) NJM4558MD
C9474 220p
R9573 3.3k
R9476 12k
R9486 12k
C9484 0.022
R9583 3.3k
IC9471 (2/2) NJM4558MD
C9582 0.027
R9482 5.6k
R9484 5.6k
AOSW
C9485 22/16
R9581 8.2k
R9582 8.2k
C9482 220p
R9481 5.6k
R9483 5.6k
C9483 0.022
C9481 0.1/25
C9581 0.1/25
R9485 12k
YF
CH
YB


R9408 2PD601A Q/R
27k Q9402
V+5A
R9608 39k
V+15
C9601 0.1/25 YF
V-15 C9602 R9601
10/16 3.3k
(F)
GDA2
C9605 10/16
R9606 100
L9601 OTL1040
Q9601 2SC3326 A/B
R9602 33k
C9603 390p CH
IC9601 (1/2) NJM4558MD
R9605 100k
R9607 4.7k
C9606 1000p CH
R9603 11k
R9604 22k
*C9604
GNDS
*C9614
R9613 11k
R9614 22k
R9612 33k
C9613 390p CH
IC9601 (2/2) NJM4558MD
R9615 100k
R9617 4.7k
Q9611 2SC3326 A/B
C9616 1000p CH
C9612 R9611
10/16 3.3k
C9615 10/16
R9616 100
L9611 OTL1040
C9611 0.1/25 YF
V-15
H 3/4
DAMUTE
LFESW
LFEC
LFES
LFEF
IC9501 PA4025A
15 SWIN- MUTE 14
16 SWIN+ LFESW 13
17 CIN+ LFEC 12
18 CIN- LFES 11
19 RSIN- LFEF 10
20 RSIN+ VCC 9
21 LSIN+ FCL 8
22 LSIN- SFC 7
23 GND SWOUT 6
24 VEE COUT 5
25 RIN- RSOUT 4
26 RIN+ LSOUT 3
27 LIN+ ROUT 2
28 LIN- LOUT 1
C9503 0.1/25
C9504 10/16
V+6A
C9502 10/16
C9501 0.1/25
FCL
SFC
C9621 0.1/25 YF
C9622 R9621
10/16 3.3k
(SL)
C9625 10/16
R9626 100
L9621 OTL1040
Q9621 2SC3326 A/B
R9622 33k
C9623 390p CH
IC9621 (1/2) NJM4558MD
R9625 100k
R9627 4.7k
C9626 1000p CH
R9623 16k
R9624 56k
*C9624
*C9634
R9633 16k
R9634 56k
R9632 33k
C9633 390p CH
IC9621 (2/2) NJM4558MD
R9635 100k
R9637 4.7k
Q9631 2SC3326 A/B
C9636 1000p CH
C9632 R9631
10/16 3.3k
C9635 10/16
R9636 100
L9631 OTL1040
C9631 0.1/25 YF
(C)
C9641 0.1/25 YF
C9642 R9641
10/16 3.3k
C9645 10/16
R9646 100
L9641 OTL1040
Q9641 2SC3326 A/B
R9642 33k
C9643 390p CH
IC9641 (1/2) NJM4558MD
R9645 100k
R9647 4.7k
C9646 1000p CH
R9643 11k
R9644 22k
*C9644
(SW)
*C9654
R9653 11k
R9654 22k
R9652 33k
C9653 0.039 YB
IC9641 (2/2) NJM4558MD
R9655 100k
R9657 4.7k
Q9651 2SC3326 A/B
C9656 1000p CH
C9652 R9651
10/16 1.2k
C9655 10/16
R9656 100
L9651 OTL1040
C9651 0.1/25 YF
L9661 VTL1019
CN9651 52147-1510
15 SW
14 G (AG)
13 C
12 G (AG)
11 SR
10 G (AG)
9 SL
8 G (AG)
7 FR
6 G (AG)
5 FL
4 G (AG)
3 R
2 G (AG)
1 L
H 2/4
J4
J5
J3
F CN608

NOTE

1. RESISTORS

Unit: k:kΩ, M:MΩ or Ω unless otherwise noted.
Rated power: 1/10W unless otherwise noted.
Tolerance: (J) ±5% unless otherwise noted.

2. CAPACITORS

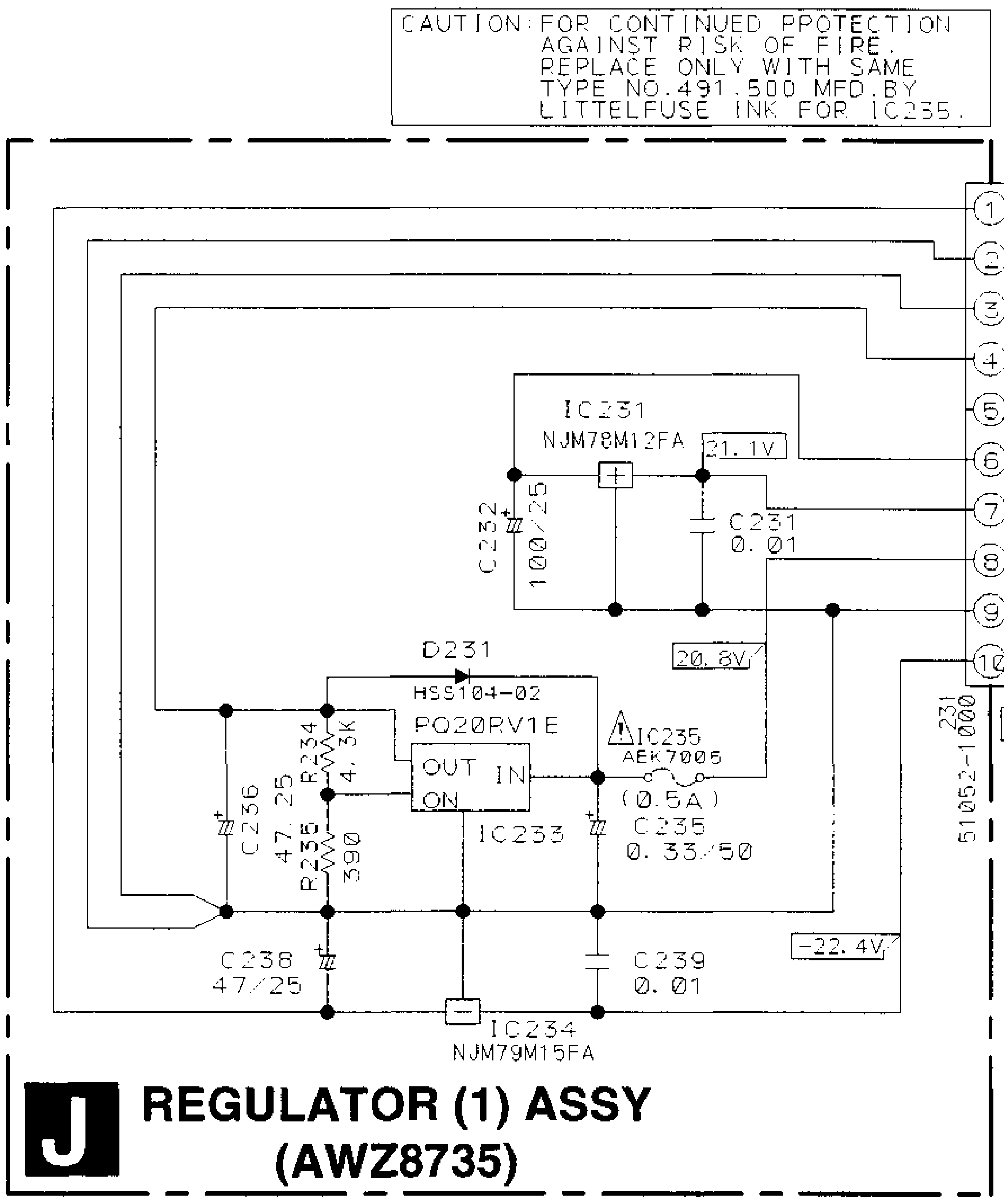
Unit: p:pF or μF unless otherwise noted.
Ratings: Capacity(μF)/Voltage(V) unless otherwise noted.
Rated Voltage: 50V expect for electrolytic capcitors.

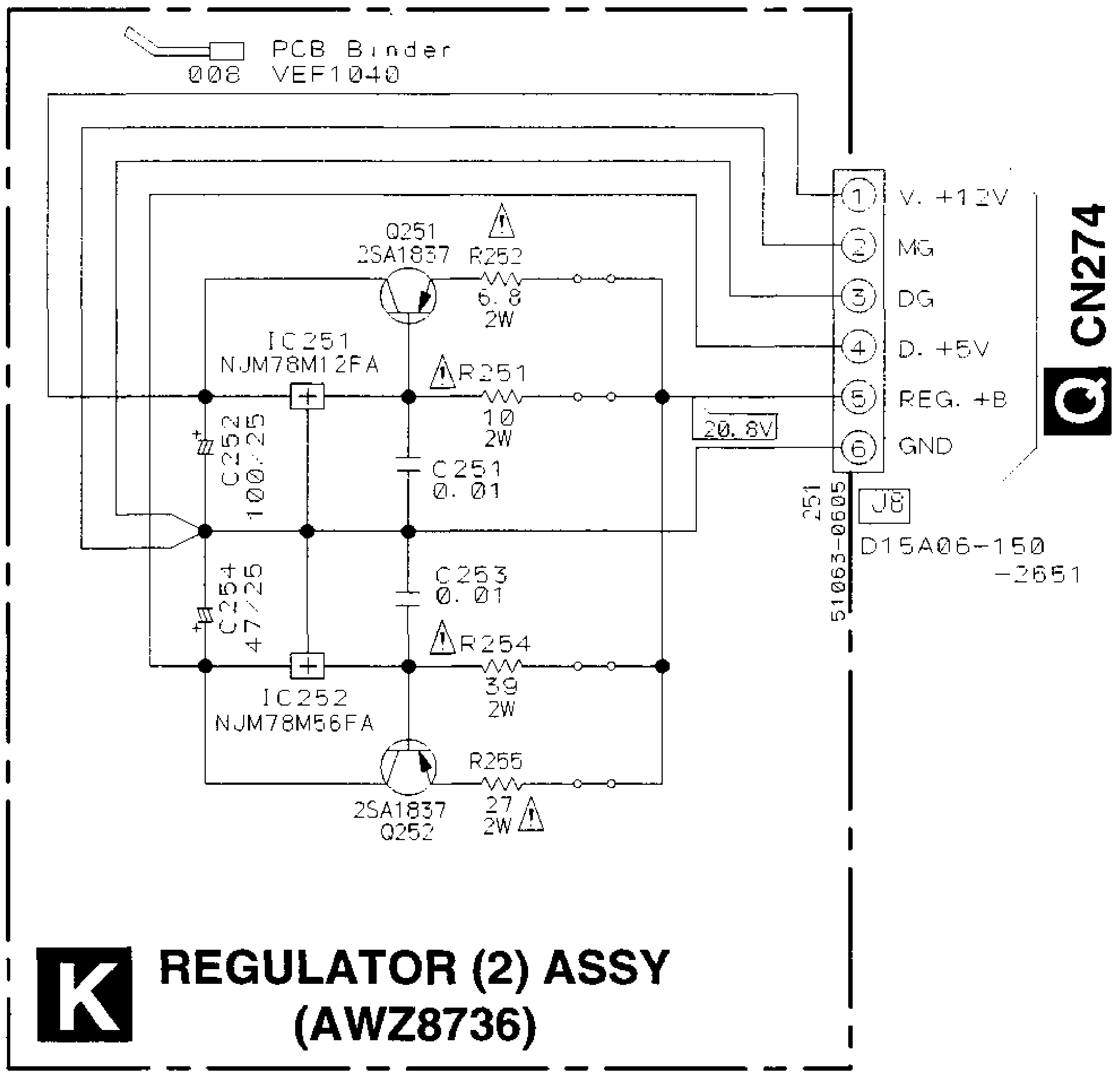
CH.....CCSQCH
YF.....CKSQYF
YB.....CKSQYB
NP.....CEANP
.....CEV

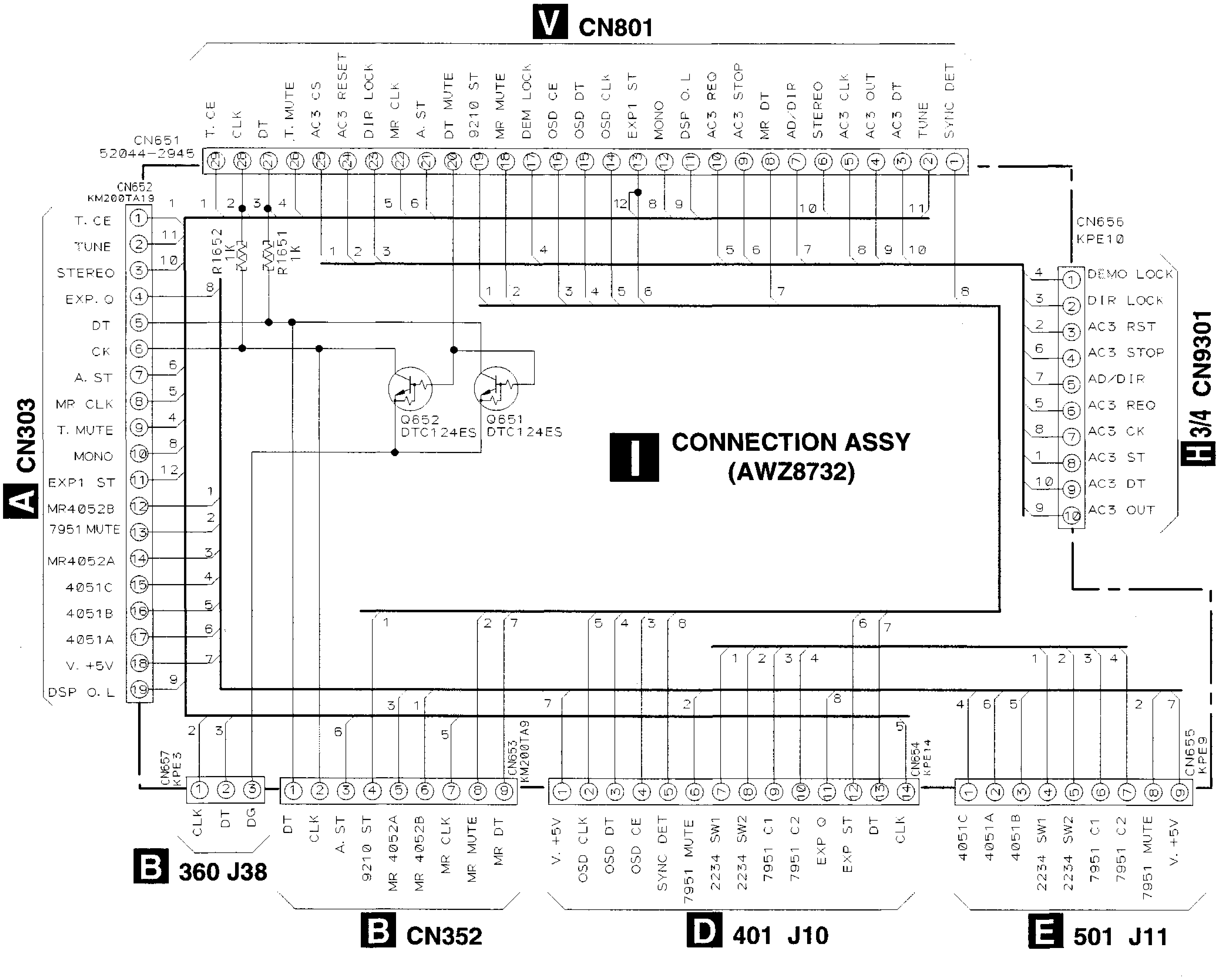
(indicated "*" mark parts are not used.)

⇨: AUDIO SIGNAL ROUTE
(F)⇨: AUDIO SIGNAL ROUTE (FRONT)
(SL)⇨: AUDIO SIGNAL ROUTE (REAR)
(C)⇨: AUDIO SIGNAL ROUTE (CENTER)
(SW)⇨: AUDIO SIGNAL ROUTE (SW)

3.9 CONNECTION ASSY, REGULATOR(1) ASSY, REGULATOR(2) ASSY, REGULATOR(3) ASSY AND V-AMP ASSY


CAUTION: FOR CONTINUED PROTECTION AGAINST RISK OF FIRE. REPLACE ONLY WITH SAME TYPE NO.491.500 MFD.BY LITTELFUSE INK FOR IC235.
A. -15V
ADG
ADG
A. +15V
A. +5V
A. +12V
REG. +B
REG. +B
GND
REG. -B
IC231
NJM78M12FA
21.1V
C232 100/25
C231 0.01
20.8V
D231
HSS104-02
PQ20RV1E
OUT IN
ON
IC233
R234 4.3k
C236 47/25
R235 390
IC235 AEK7005 (0.5A)
C235 0.33/50
C238 47/25
C239 0.01
-22.4V
IC234
NJM79M15FA
51052-1000 231
J7
DYY10-100 -2651
Q CN276
J REGULATOR (1) ASSY (AWZ8735)


PCB Binder
008 VEF1040
V. +12V
MG
DG
D. +5V
REG. +B
GND
Q251
2SA1837
R252 6.8 2W
IC251
NJM78M12FA
R251 10 2W
C252 100/25
C251 0.01
20.8V
C253 0.01
C254 47/25
R254 39 2W
IC252
NJM78M56FA
R255 27 2W
2SA1837
Q252
51063-0605 251
J8
D15A06-150 -2651
Q CN274
K REGULATOR (2) ASSY (AWZ8736)

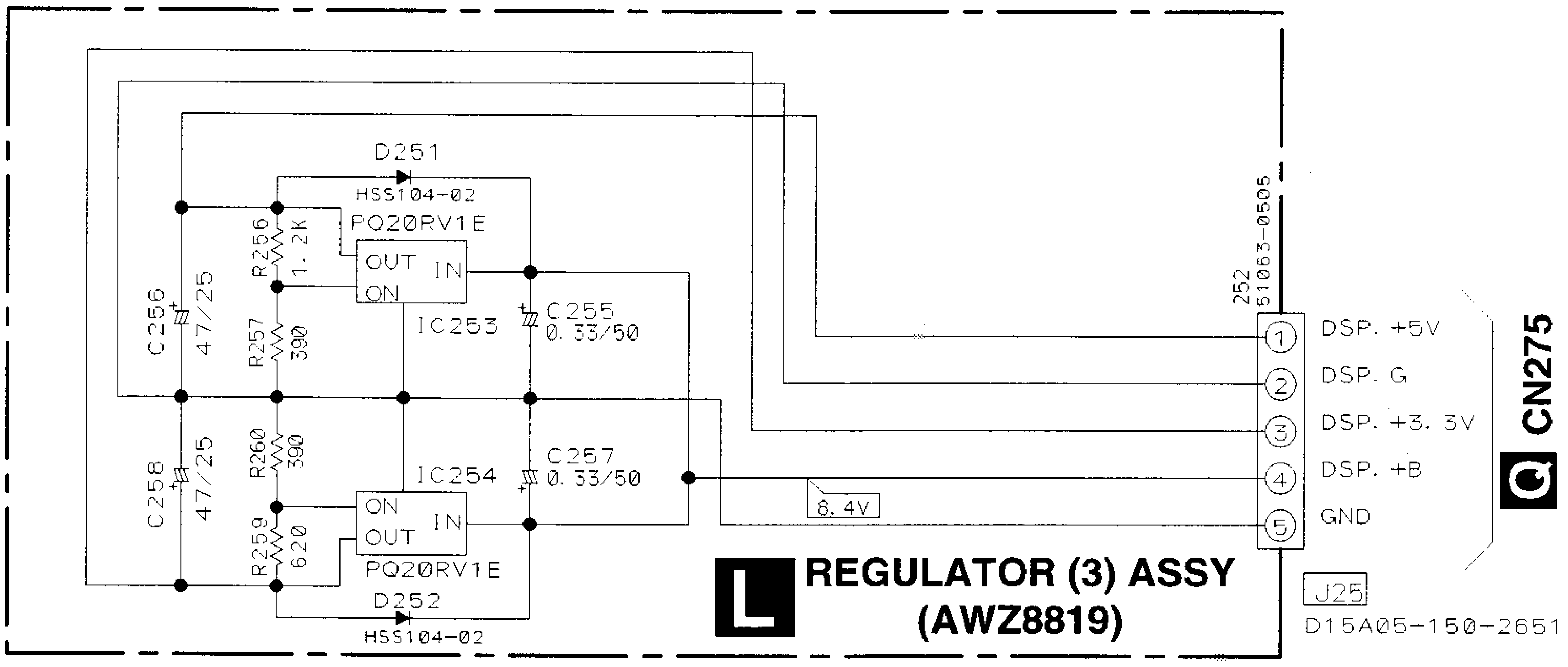

V CN801
CN651
52044-2945
T. CE
CLK
DT
T. MUTE
AC3 CS
AC3 RESET
DIR LOCK
MR CLK
A. ST
DT MUTE
9210 ST
MR MUTE
DEM LOCK
OSD CE
OSD DT
OSD CLK
EXP1 ST
MONO
DSP O. L
AC3 REQ
AC3 STOP
MR DT
AD/DIR
STEREO
AC3 CLK
AC3 OUT
AC3 DT
TUNE
SYNC DET
CN652
KM200TA19
T. CE
TUNE
STEREO
EXP. Q
DT
CK
A. ST
MR CLK
T. MUTE
MONO
EXP1 ST
MR4052B
7951 MUTE
MR4052A
4051C
4051B
4051A
V. +5V
DSP O. L
A CN303
R1652 1K
R1651 1K
Q652
DTC124ES
Q651
DTC124ES
I CONNECTION ASSY (AWZ8732)
CN656
KPE10
DEMO LOCK
DIR LOCK
AC3 RST
AC3 STOP
AD/DIR
AC3 REQ
AC3 CK
AC3 ST
AC3 DT
AC3 OUT
H 3/4 CN9301
CN657
KPE3
CLK
DT
DG
B 360 J38
CN653
KM200TA9
DT
CLK
A. ST
9210 ST
MR 4052A
MR 4052B
MR CLK
MR MUTE
MR DT
B CN352
CN654
KPE14
V. +5V
OSD CLK
OSD DT
OSD CE
SYNC DET
7951 MUTE
2234 SW1
2234 SW2
7951 C1
7951 C2
EXP Q
EXP ST
DT
CLK
D 401 J10
CN655
KPE9
4051C
4051A
4051B
2234 SW1
2234 SW2
7951 C1
7951 C2
7951 MUTE
V. +5V
E 501 J11

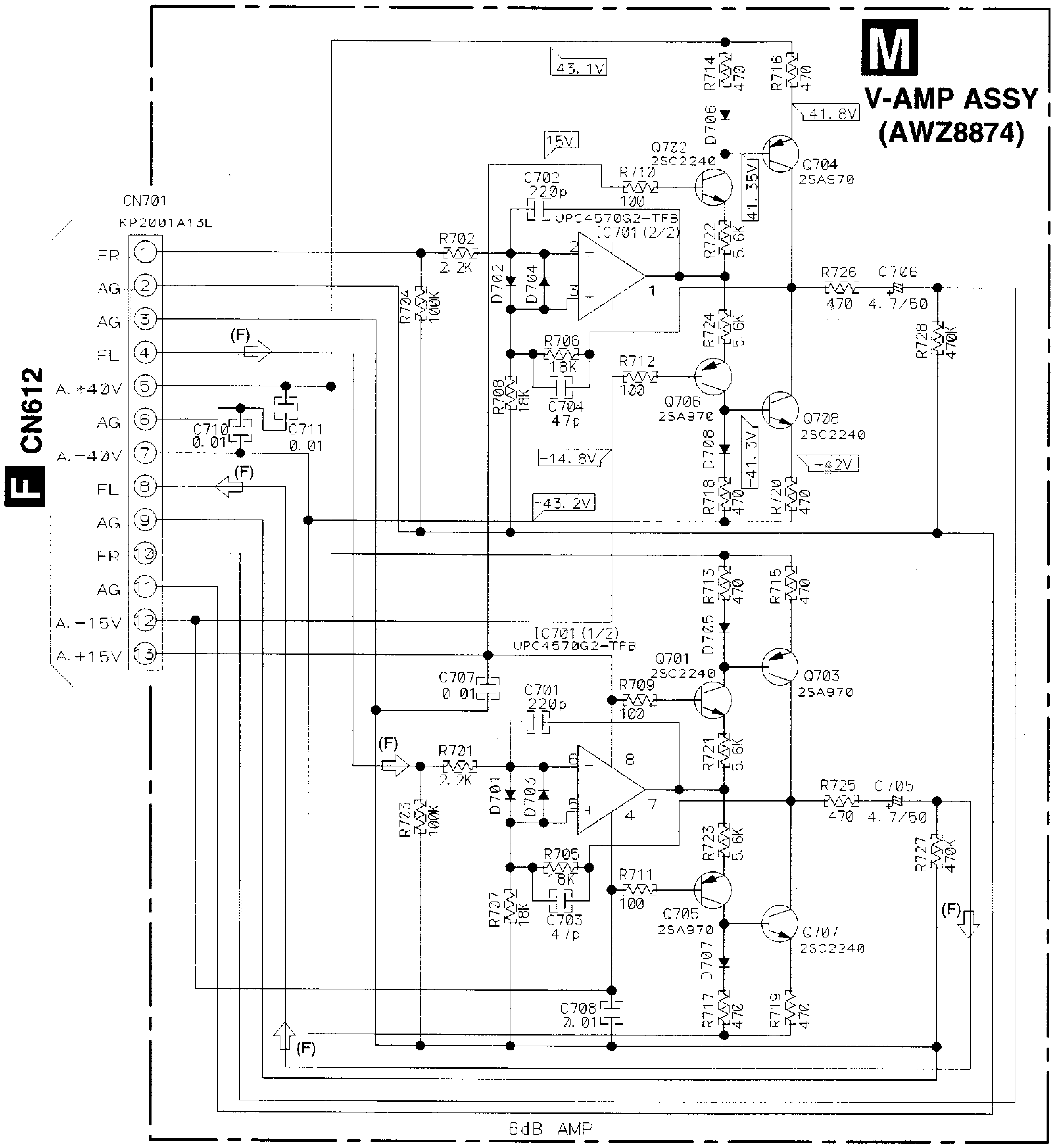
NOTED

1. RESISTORS
   Indicated in ohm 1/4W ±5% tolerance unless otherwise noted K:Kohm, M:Mohm
   Chip Resistor
   ⓕ RFA

2. CAPACITORS
   Indicated in capacity(uF)/voltage(V) unless otherwise noted p:pF
   Indication without voltage is 50V except electrolytic capacitor
   Chip Capacitor

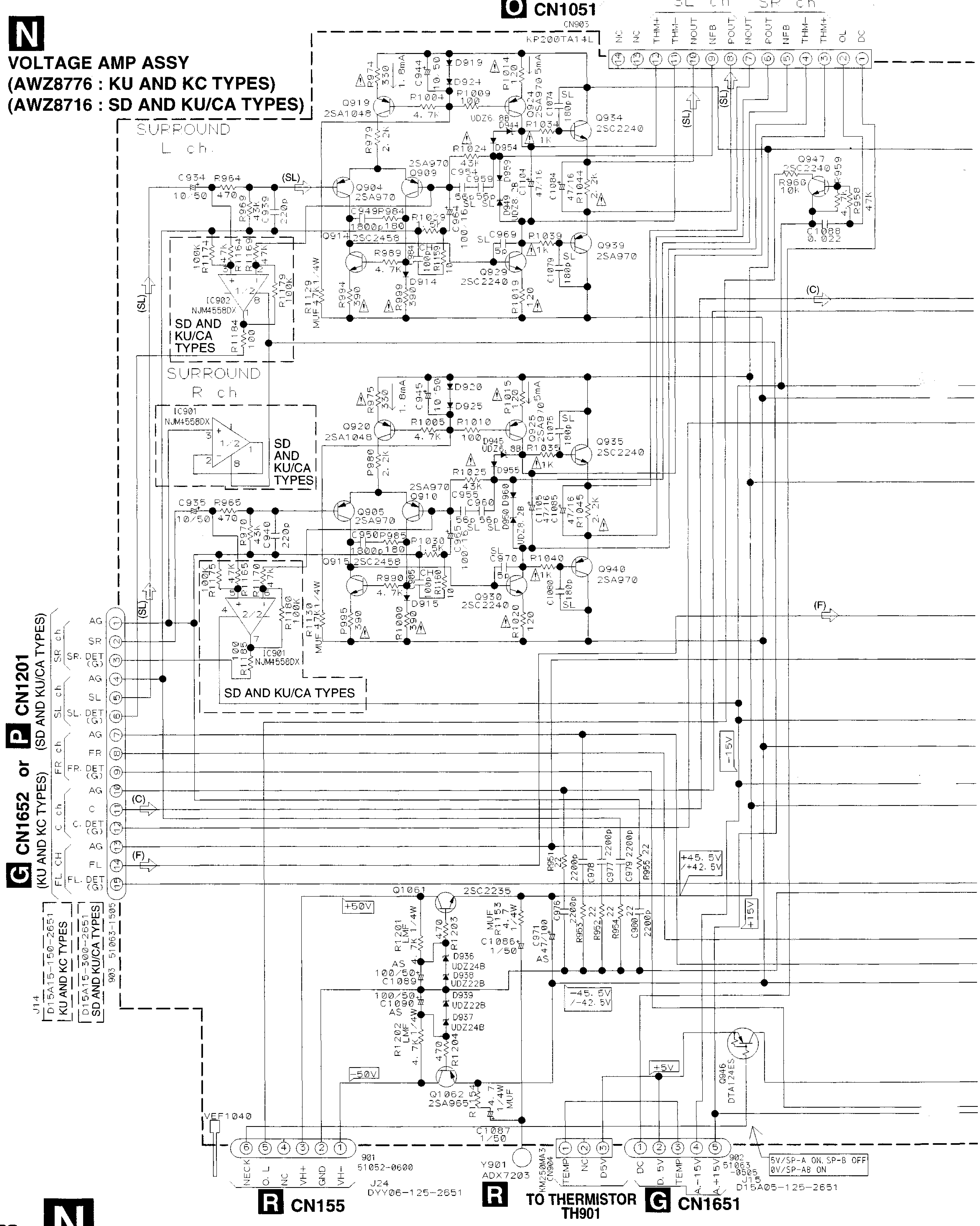
3. DIODE
   Diode without indicated is 1SS355-TRB


D251
HSS104-02
PQ20RV1E
R256 1.2K
OUT IN
ON
C256 47/25
R257 390
IC253
C255 0.33/50
252
51063-0505
① DSP. +5V
② DSP. G
③ DSP. +3.3V
④ DSP. +B
⑤ GND
CN275
Q
C258 47/25
R260 390
IC254
C257 0.33/50
8.4V
ON
OUT IN
R259 620
PQ20RV1E
D252
HSS104-02
L
REGULATOR (3) ASSY
(AWZ8819)
J25
D15A05-150-2651

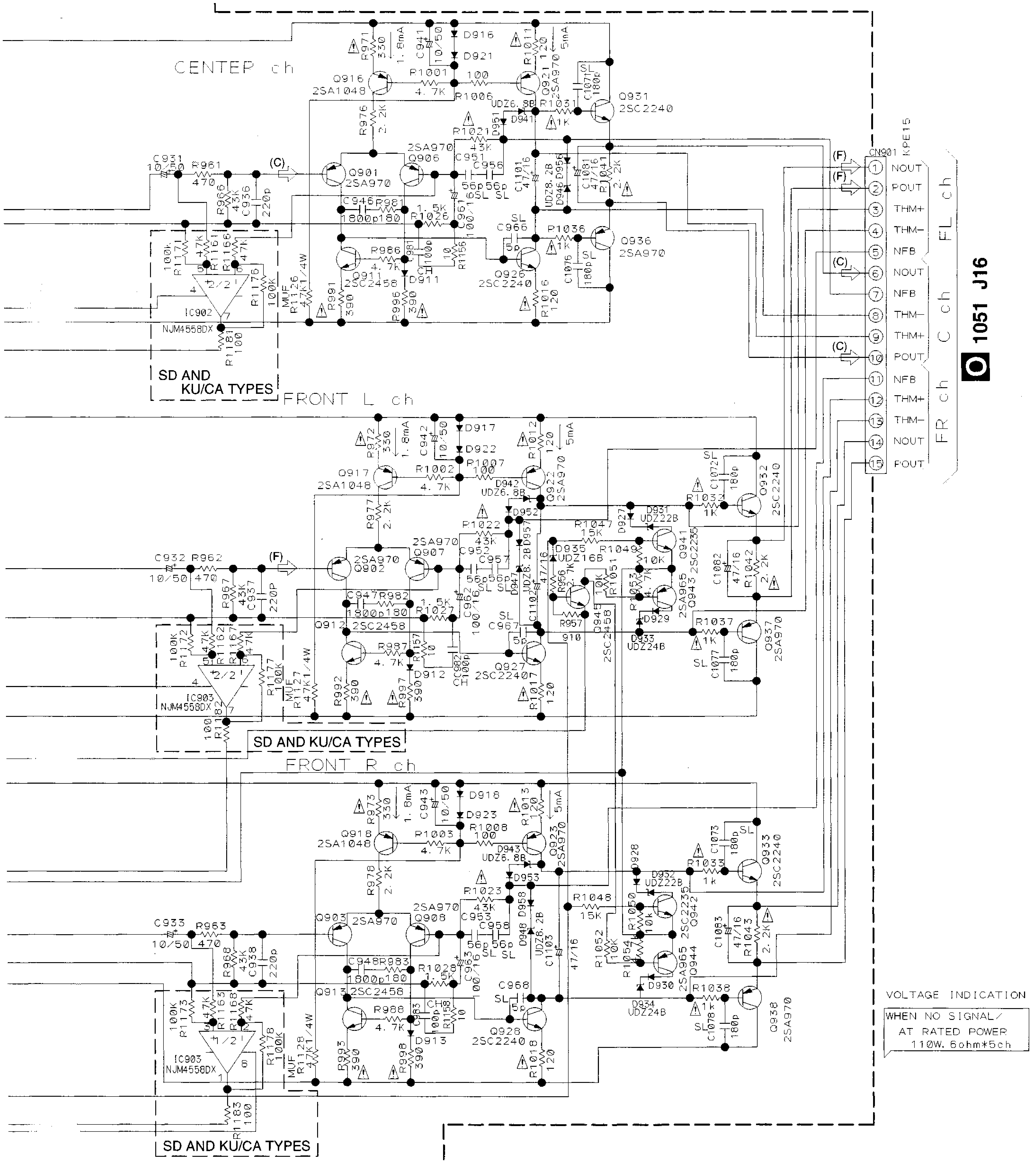

M
V-AMP ASSY
(AWZ8874)
43.1V
R714 470
R716 470
41.8V
D706
15V
Q702 2SC2240
Q704 2SA970
C702 220p
R710 100
41.35V
UPC4570G2-TFB
IC701 (2/2)
R722 5.6K
CN701
KP200TA13L
FR ①
AG ②
AG ③
FL ④
A.+40V ⑤
AG ⑥
A.-40V ⑦
FL ⑧
AG ⑨
FR ⑩
AG ⑪
A.-15V ⑫
A.+15V ⑬
F
CN612
R702 2.2K
R704 100K
D702
D704
R726 470
C706 4.7/50
R728 470K
R706 18K
R712 100
R724 5.6K
R708 18K
C704 47p
Q706 2SA970
Q708 2SC2240
C710 0.01
C711 0.01
-14.8V
D708
41.3V
-42V
-43.2V
R718 470
R720 470
(F)
R713 470
R715 470
D705
IC701 (1/2)
UPC4570G2-TFB
Q701 2SC2240
Q703 2SA970
C707 0.01
C701 220p
R709 100
R721 5.6K
R701 2.2K
R703 100K
D701
D703
R725 470
C705 4.7/50
R727 470K
R705 18K
R711 100
R723 5.6K
R707 18K
C703 47p
Q705 2SA970
Q707 2SC2240
D707
C708 0.01
R717 470
R719 470
6dB AMP

(F)⇨: AUDIO SIGNAL ROUTE (FRONT)

3.10 VOLTAGE AMP ASSY


N
VOLTAGE AMP ASSY
(AWZ8776 : KU AND KC TYPES)
(AWZ8716 : SD AND KU/CA TYPES)
O CN1051
CN903
KP200TA14L
SL ch
SP ch
NC
NC
THM+
THM−
NOUT
NFB
POUT
NOUT
POUT
NFB
THM−
THM+
OL
DC
SURROUND L ch
SURROUND R ch
(SL)
(C)
(F)
Q919 2SA1048
Q920 2SA1048
R974 330
R975 330
1.8mA
C944 10/50
C945 10/50
D919
D924
D920
D925
R1014 120
R1015 120
5mA
Q924 2SA970
Q925 2SA970
R1004 4.7K
R1005 4.7K
R1009 100
R1010 100
UDZ6.8B
D944
D945
R1034 1K
R1035 1K
C1074 SL 180p
C1075 SL 180p
Q934 2SC2240
Q935 2SC2240
R979 2.2K
R980 2.2K
R1024 43K
R1025 43K
D954
D955
2SA970
Q909
Q910
C954
C955
C959
C960
56p 56p SL SL
D959
D960
D949
D950
UDZ8.2B
C1104 47/16
C1105 47/16
C1084 47/16
C1085 47/16
R1044 2.2K
R1045 2.2K
C934 10/50
C935 10/50
R964 470
R965 470
R969 43K
R970 43K
C939 220p
C940 220p
Q904 2SA970
Q905 2SA970
C949 1800p
C950 1800p
P984 180
P985 180
R1029 1.5K
R1030 1.5K
C964 100/16
C965 100/16
Q914 2SC2458
Q915 2SC2458
R989 4.7K
R990 4.7K
984
985
CH 100p
R1159 10
R1160 10
D914
D915
C969 SL 5p
C970 SL 5p
R1039 1K
R1040 1K
C1079 SL 180p
C1080 SL 180p
Q929 2SC2240
Q930 2SC2240
Q939 2SA970
Q940 2SA970
R994 390
R995 390
R999 390
R1000 390
R1129 MUF 47K 1/4W
R1130 MUF 47K 1/4W
R1019 120
R1020 120
R1174 100K
R1175 100K
R1164 47K
R1165 47K
R1169 47K
R1170 47K
R1179 100K
R1180 100K
IC902 NJM4558DX
IC901 NJM4558DX
1/2
2/2
R1184 100
R1185 100
SD AND KU/CA TYPES
SD AND KU/CA TYPES
Q947 2SC2240
R960 10K
R959 4.7K
R958 47K
C1088 0.022
CN1201 (SD AND KU/CA TYPES)
P
or
G CN1652 (KU AND KC TYPES)
SR ch
SL ch
FR ch
C ch
FL CH
AG
SR
SR. DET (G)
AG
SL
SL. DET (G)
AG
FR
FR. DET (G)
AG
C
C. DET (G)
AG
FL
FL. DET (G)
J14
D15A15-150-2651 KU AND KC TYPES
D15A15-300-2651 SD AND KU/CA TYPES
903 51063-1505
−15V
R951 22
C978 2200p
C977 2200p
C979 2200p
R955 22
+45.5V /+42.5V
Q1061 2SC2235
+50V
R1201 LMF 4.7K 1/4W
R1203 470
D936 UDZ24B
D938 UDZ22B
D939 UDZ22B
D937 UDZ24B
AS 100/50 C1089
100/50 C1090 AS
R1202 LMF 4.7K 1/4W
R1204 470
MUF R1153 4.7 1/4W
C1086 1/50
C971 AS 47/100
C976 2200p
R953 22
R952 22
R954 22
C980 2200p
+15V
−45.5V /−42.5V
−50V
Q1062 2SA965
R1154 4.7 1/4W MUF
C1087 1/50
+5V
Q946 DTA124ES
VEF1040
NECK
O. L
NC
VH+
GND
VH−
901 51052-0600
J24 DYY06-125-2651
R CN155
Y901 ADX7203
R
KM250MA3 CN904
TEMP
NC
D5V
TO THERMISTOR TH901
DC
D. 5V
TEMP
A.−15V
A.+15V
902 51063-0505
J15 D15A05-125-2651
5V/SP-A ON, SP-B OFF
0V/SP-AB ON
G CN1651

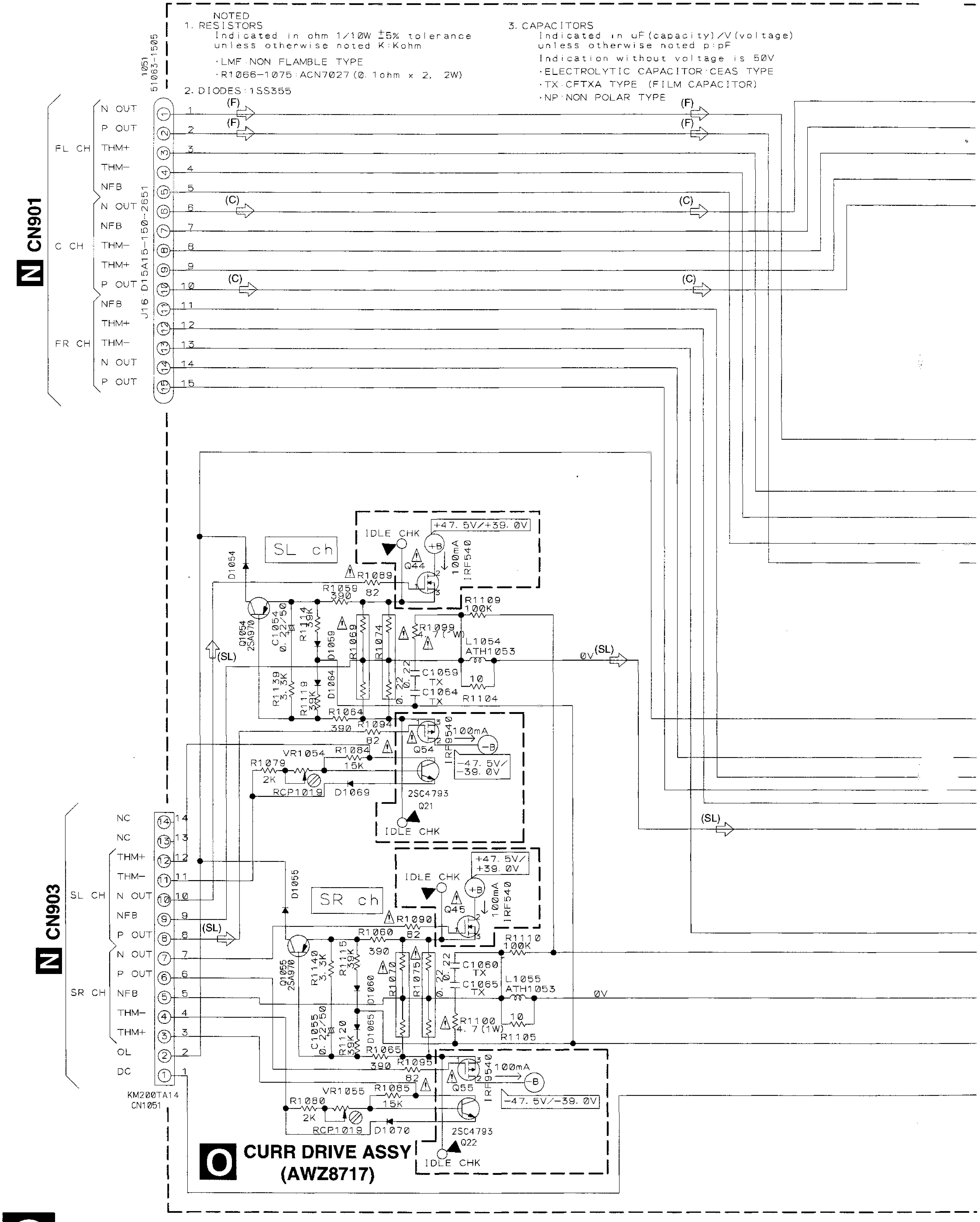
NOTED
1. RESISTORS
Indicated in ohm 1/10W 5% tolerance unless otherwise noted K:kohm
·LMF NON FLAMBLE TYPE
2. CAPACITORS
Indicated in uF(capacity)/V(voltage) unless otherwise noted p:pF
Indication without voltage is 50V
·NO MARK NON ELECTOLYTIC CAPACITOR:CKSQYB TYPE ·CH:CCSQCH TYPE
·NO MARK ELECTROLYTIC CAPACITOR:CEJA TYPE ·AS:CEAS TYPE
·SL:CCCSL (500V) TYPE ·YF:CKSQYF TYPE
3. DIODES 1SS355


CENTER ch
FRONT L ch
FRONT R ch
Q916 2SA1048
Q921 2SA970
Q931 2SC2240
Q901 2SA970
Q906 2SA970
Q911 2SC2458
Q926 2SC2240
Q936 2SA970
Q917 2SA1048
Q922 2SA970
Q932 2SC2240
Q902 2SA970
Q907 2SA970
Q912 2SC2458
Q927 2SC2240
Q937 2SA970
Q941 2SC2235
Q943 2SA965
Q945 2SC2458
Q918 2SA1048
Q923 2SA970
Q933 2SC2240
Q903 2SA970
Q908 2SA970
Q913 2SC2458
Q928 2SC2240
Q938 2SA970
Q942 2SC2235
Q944 2SA965
IC902 NJM4558DX
IC903 NJM4558DX
C931 10/50
R961 470
C932 10/50
R962 470
C933 10/50
R963 470
R971 330
R972 330
R973 330
1.8mA
5mA
C941 10/50
C942 10/50
C943 10/50
D916
D921
D917
D922
D918
D923
R1011 120
R1012 120
R1013 120
R1001 4.7K
R1002 4.7K
R1003 4.7K
R1006 100
R1007 100
R1008 100
UDZ6.8B
R976 2.2K
R977 2.2K
R978 2.2K
R1021 43K
R1022 43K
R1023 43K
C951
C956
C952
C957
C953
C958
56p 56p SL SL
C946 1800p
R981 180
C947 1800p
R982 180
C948 1800p
R983 180
R1026 1.5K
R1027 1.5K
R1028 1.5K
C961 100/16
C962 100/16
C963 100/16
R966 43K
C936 220p
R967 43K
C937 220P
R968 43K
C938 220p
R986 4.7K
R987 4.7K
R988 4.7K
R1156 10
R1157 10
R1158 10
D911
D912
D913
R991 390
R992 390
R993 390
R996 390
R997 390
R998 390
R1016 120
R1017 120
R1018 120
C966 5p SL
C967 5p SL
C968 5p SL
R1036 1K
R1037 1K
R1038 1K
R1031 1K
R1032 1K
R1033 1k
C1071 180p SL
C1072 180p SL
C1073 180p SL
C1076 180p SL
C1077 180p SL
C1078 180p SL
C1101 47/16
C1102 47/16
C1103 47/16
C1081 47/16
C1082 47/16
C1083 47/16
R1041 2.2K
R1042 2.2K
R1043 2.2K
UDZ8.2B
D941
D942
D943
D946
D947
D948
D951
D952
D953
D956
D957
D958
D927
D928
D931 UDZ22B
D932 UDZ22B
D935 UDZ16B
D929
D930
D933 UDZ24B
D934 UDZ24B
R1047 15K
R1048 15K
R1049 10K
R1050 10k
R1051 4.7K
R1052 10K
R1053 4.7K
R1054
R956 4.7K
R957 910
R1171 100K
R1172 100K
R1173 100K
R1161 47K
R1162 47K
R1163 47K
R1166 47K
R1167 47K
R1168 47K
R1176 100K
R1177 100K
R1178 100K
R1126 47K 1/4W MUF
R1127 47K 1/4W MUF
R1128 47K 1/4W MUF
R1181 100
R1182 100
R1183 100
2/2
1/2
SD AND KU/CA TYPES
CN901 KPE15
① NOUT
② POUT
③ THM+
④ THM−
⑤ NFB
⑥ NOUT
⑦ NFB
⑧ THM−
⑨ THM+
⑩ POUT
⑪ NFB
⑫ THM+
⑬ THM−
⑭ NOUT
⑮ POUT
FL ch
C ch
FR ch
(F)
(C)
O 1051 J16
VOLTAGE INDICATION
WHEN NO SIGNAL/ AT RATED POWER 110W. 6ohm*5ch

(F) ⇨ : AUDIO SIGNAL ROUTE (FRONT)
(SL) ⇨ : AUDIO SIGNAL ROUTE (REAR)
(C) ⇨ : AUDIO SIGNAL ROUTE (CENTER)

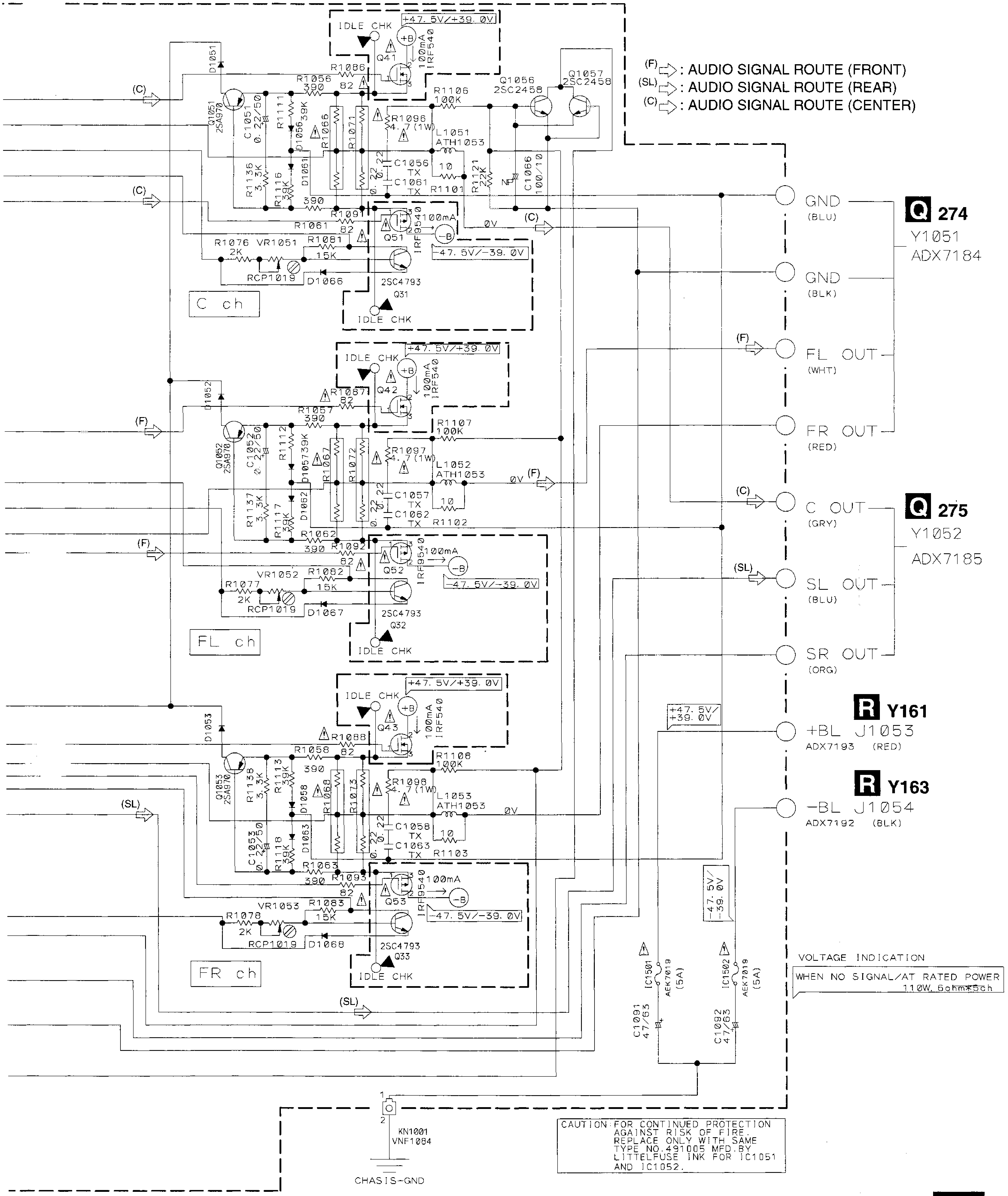
3.11 CURR DRIVE ASSY

NOTED
1. RESISTORS
   Indicated in ohm 1/10W ±5% tolerance unless otherwise noted K:Kohm
   - ·LMF·NON FLAMBLE TYPE
   - ·R1066–1075:ACN7027 (0.1ohm x 2, 2W)
2. DIODES:1SS355
3. CAPACITORS
   Indicated in uF (capacity)/V (voltage) unless otherwise noted p:pF
   Indication without voltage is 50V
   - ·ELECTROLYTIC CAPACITOR·CEAS TYPE
   - ·TX·CFTXA TYPE (FILM CAPACITOR)
   - ·NP·NON POLAR TYPE



N CN901
1051
51063-1505
J16 D15A15-150-2651
FL CH
N OUT 1
P OUT 2
THM+ 3
THM− 4
NFB 5
C CH
N OUT 6
NFB 7
THM− 8
THM+ 9
P OUT 10
FR CH
NFB 11
THM+ 12
THM− 13
N OUT 14
P OUT 15
(F)
(C)
(SL)
SL ch
SR ch
IDLE CHK
+47.5V/+39.0V
+B
100mA
IRF540
Q44
Q45
R1089
R1059 390
82
R1109 100K
R1099 4.7 (1W)
L1054 ATH1053
0V
C1059 TX
C1064 TX
0.22
10
R1104
R1069
R1074
D1059
D1064
D1054
Q1054 2SA970
C1054 0.22/50
R1114 39K
R1139 3.3K
R1119 39K
R1064 390
R1094 82
IRF9540
Q54
−B
−47.5V/−39.0V
VR1054
R1084 15K
R1079 2K
RCP1019
D1069
2SC4793
Q21
N CN903
SL CH
SR CH
NC 14
NC 13
THM+ 12
THM− 11
N OUT 10
NFB 9
P OUT 8
N OUT 7
P OUT 6
NFB 5
THM− 4
THM+ 3
OL 2
DC 1
KM200TA14
CN1051
D1055
R1090 82
R1060 390
R1110 100K
Q1055 2SA970
R1140 3.3K
R1115 39K
D1060
R1070
R1075
C1060 TX
C1065 TX
L1055 ATH1053
R1100 4.7 (1W)
R1105
C1055 0.22/50
R1120 39K
D1065
R1065 390
R1095 82
Q55
VR1055
R1085 15K
R1080 2K
D1070
Q22

O CURR DRIVE ASSY (AWZ8717)

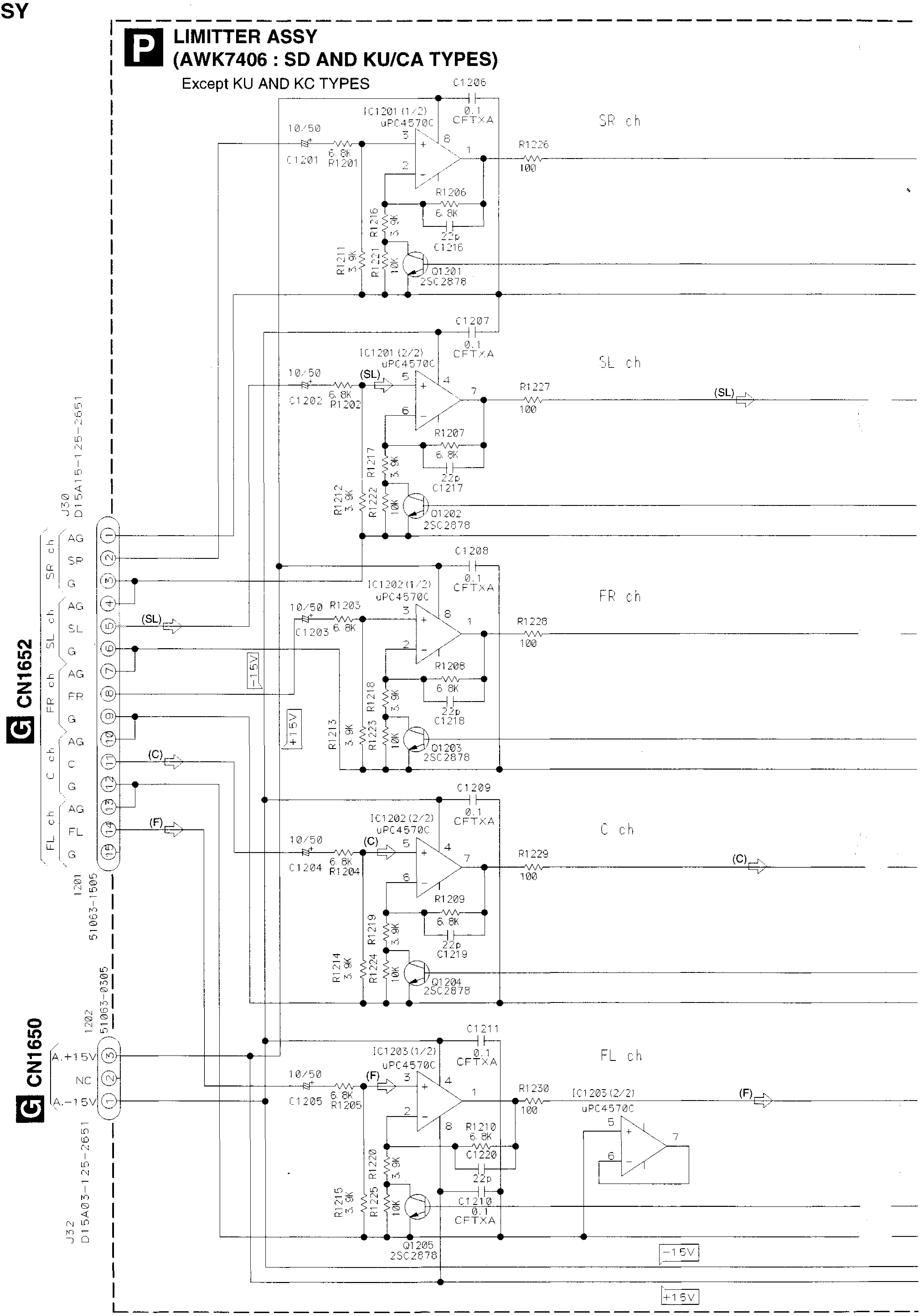

IDLE CHK
+47.5V/+39.0V
+B
Q41
100mA
IRF540
R1086
82
R1056
390
(C)
D1051
Q1051
2SA970
C1051
0.22/50
R1111
39K
D1056
R1066
R1071
R1096
4.7 (1W)
L1051
ATH1053
R1106
100K
Q1056
2SC2458
Q1057
2SC2458
C1056
TX
C1061
TX
0.22
10
R1101
R1121
22K
NF
C1066
100/10
R1136
3.3K
R1116
39K
D1061
390
R1091
82
R1061
Q51
IRF9540
100mA
-B
0V
-47.5V/-39.0V
R1076
2K
VR1051
R1081
15K
RCP1019
D1066
2SC4793
Q31
C ch
Q42
R1067
D1052
R1057
390
(F)
Q1052
2SA970
C1052
0.22/50
R1112
39K
D1057
R1067
R1072
R1097
4.7 (1W)
R1107
100K
L1052
ATH1053
0V
C1057
TX
C1062
TX
R1102
R1137
3.3K
R1117
39K
D1062
R1062
390
R1092
82
Q52
IRF9540
100mA
-47.5V/-39.0V
VR1052
R1082
15K
R1077
2K
RCP1019
D1067
2SC4793
Q32
FL ch
Q43
R1088
D1053
R1058
390
Q1053
2SA970
R1138
3.3K
R1113
39K
D1058
R1068
R1073
R1098
4.7 (1W)
R1108
100K
L1053
ATH1053
0V
(SL)
C1058
TX
C1063
TX
R1103
C1053
0.22/50
R1118
39K
D1063
R1063
390
R1093
82
Q53
IRF9540
100mA
-47.5V/-39.0V
VR1053
R1083
15K
R1078
2K
RCP1019
D1068
2SC4793
Q33
FR ch
GND (BLU)
GND (BLK)
FL OUT (WHT)
FR OUT (RED)
C OUT (GRY)
SL OUT (BLU)
SR OUT (ORG)
Q 274
Y1051
ADX7184
Q 275
Y1052
ADX7185
R Y161
+BL J1053
ADX7193 (RED)
R Y163
-BL J1054
ADX7192 (BLK)
+47.5V/+39.0V
-47.5V/-39.0V
IC1501
AEK7019
(5A)
IC1502
AEK7019
(5A)
C1091
47/63
C1092
47/63
1
2
KN1001
VNF1084
CHASIS-GND

(F): AUDIO SIGNAL ROUTE (FRONT)
(SL): AUDIO SIGNAL ROUTE (REAR)
(C): AUDIO SIGNAL ROUTE (CENTER)

VOLTAGE INDICATION
WHEN NO SIGNAL/AT RATED POWER
110W, 6ohm*5ch

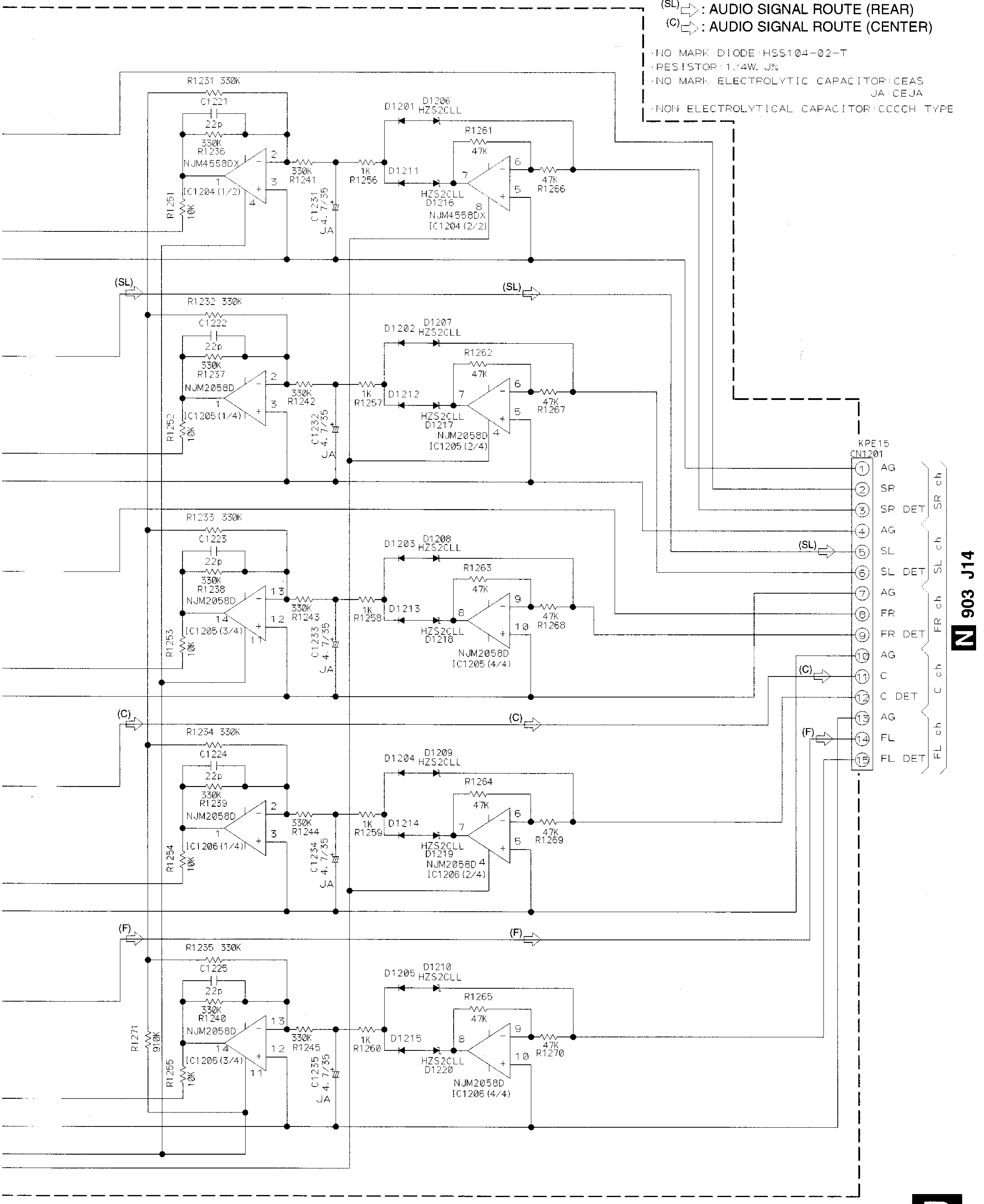
CAUTION: FOR CONTINUED PROTECTION AGAINST RISK OF FIRE. REPLACE ONLY WITH SAME TYPE NO.491005 MFD.BY LITTELFUSE INK FOR IC1051 AND IC1052.

3.12 LIMITTER ASSY


P
LIMITTER ASSY
(AWK7406 : SD AND KU/CA TYPES)
Except KU AND KC TYPES
SR ch
SL ch
FR ch
C ch
FL ch
IC1201 (1/2) uPC4570C
IC1201 (2/2) uPC4570C
IC1202 (1/2) uPC4570C
IC1202 (2/2) uPC4570C
IC1203 (1/2) uPC4570C
IC1203 (2/2) uPC4570C
C1201 10/50
C1202 10/50
C1203 10/50
C1204 10/50
C1205 10/50
R1201 6.8K
R1202 6.8K
R1203 6.8K
R1204 6.8K
R1205 6.8K
C1206 0.1 CFTXA
C1207 0.1 CFTXA
C1208 0.1 CFTXA
C1209 0.1 CFTXA
C1211 0.1 CFTXA
C1210 0.1 CFTXA
R1206 6.8K
R1207 6.8K
R1208 6.8K
R1209 6.8K
R1210 6.8K
C1216 22p
C1217 22p
C1218 22p
C1219 22p
C1220 22p
R1211 3.9K
R1212 3.9K
R1213 3.9K
R1214 3.9K
R1215 3.9K
R1216 3.9K
R1217 3.9K
R1218 3.9K
R1219 3.9K
R1220 3.9K
R1221 10K
R1222 10K
R1223 10K
R1224 10K
R1225 10K
Q1201 2SC2878
Q1202 2SC2878
Q1203 2SC2878
Q1204 2SC2878
Q1205 2SC2878
R1226 100
R1227 100
R1228 100
R1229 100
R1230 100
(SL)
(C)
(F)
-15V
+15V
G CN1652
J30 D15A15-125-2651
1201 51063-1505
SR ch AG SR G
SL ch AG SL G
FR ch AG FR G
C ch AG C G
FL ch AG FL G
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15
G CN1650
1202 51063-0305
A.+15V NC A.-15V
3 2 1
J32 D15A03-125-2651

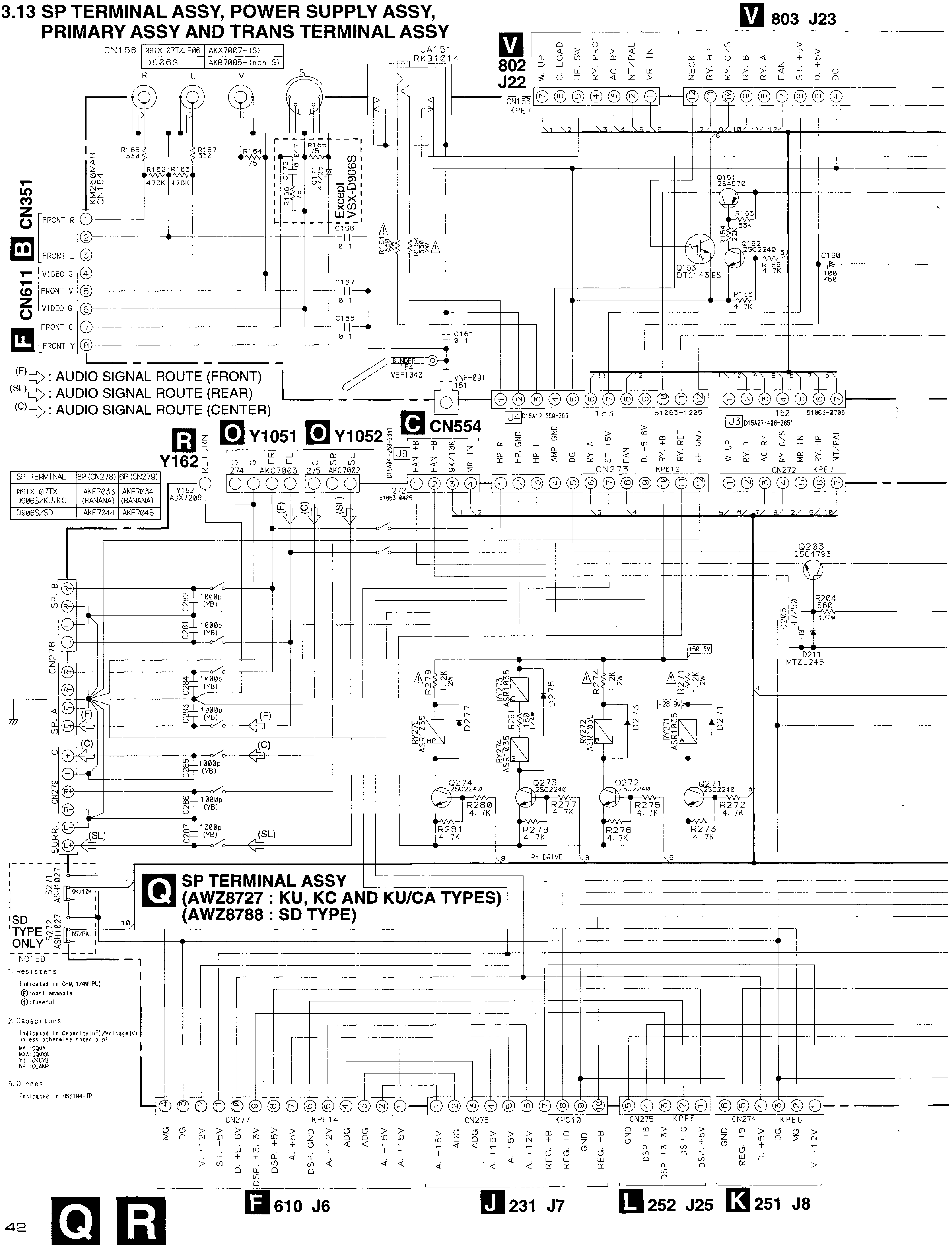
(F) ⇨ : AUDIO SIGNAL ROUTE (FRONT)
(SL) ⇨ : AUDIO SIGNAL ROUTE (REAR)
(C) ⇨ : AUDIO SIGNAL ROUTE (CENTER)

- NO MARK DIODE : HSS104-02-T
- RESISTOR : 1/4W, J%
- NO MARK ELECTROLYTIC CAPACITOR : CEAS
  JA : CEJA
- NON ELECTROLYTICAL CAPACITOR : CCCCH TYPE



R1231 330K
C1221 22p
330K R1236
NJM4558DX
IC1204(1/2)
R1251 10K
330K R1241
C1231 4.7/35 JA
1K R1256
D1201
D1206 HZS2CLL
D1211
HZS2CLL D1216
R1261 47K
NJM4558DX IC1204(2/2)
47K R1266
(SL)
R1232 330K
C1222 22p
330K R1237
NJM2058D
IC1205(1/4)
R1252 10K
330K R1242
C1232 4.7/35 JA
1K R1257
D1202
D1207 HZS2CLL
D1212
HZS2CLL D1217
R1262 47K
NJM2058D IC1205(2/4)
47K R1267
R1233 330K
C1223 22p
330K R1238
NJM2058D
IC1205(3/4)
R1253 10K
330K R1243
C1233 4.7/35 JA
1K R1258
D1203
D1208 HZS2CLL
D1213
HZS2CLL D1218
R1263 47K
NJM2058D IC1205(4/4)
47K R1268
(C)
R1234 330K
C1224 22p
330K R1239
NJM2058D
IC1206(1/4)
R1254 10K
330K R1244
C1234 4.7/35 JA
1K R1259
D1204
D1209 HZS2CLL
D1214
HZS2CLL D1219
R1264 47K
NJM2058D IC1206(2/4)
47K R1269
(F)
R1235 330K
C1225 22p
330K R1240
NJM2058D
IC1206(3/4)
R1271 910K
R1255 10K
330K R1245
C1235 4.7/35 JA
1K R1260
D1205
D1210 HZS2CLL
D1215
HZS2CLL D1220
R1265 47K
NJM2058D IC1206(4/4)
47K R1270
KPE15
CN1201
1 AG
2 SR
3 SR DET
4 AG
5 SL
6 SL DET
7 AG
8 FR
9 FR DET
10 AG
11 C
12 C DET
13 AG
14 FL
15 FL DET
SR ch
SL ch
FR ch
C ch
FL ch
N 903 J14

3.13 SP TERMINAL ASSY, POWER SUPPLY ASSY, PRIMARY ASSY AND TRANS TERMINAL ASSY


V 803 J23
V 802 J22
CN156
R
L
V
S
JA151
RKB1014
R168 330
R167 330
R164 75
R165 75
R162 470K
R163 470K
C172 0.047
C171 47/25
R166 75
Except VSX-D906S
KM250MA8
CN154
B CN351
F CN611
FRONT R
FRONT L
VIDEO G
FRONT V
VIDEO G
FRONT C
FRONT Y
C166 0.1
C167 0.1
C168 0.1
C161 0.1
R161 330
R150 330 2W
BINDER 154 VEF1040
VNF-091 151
CN153 KPE7
W. UP
O. LOAD
HP. SW
RY. PROT
AC RY
NT/PAL
MR IN
NECK
RY. HP
RY. C/S
RY. B
RY. A
FAN
ST. +5V
D. +5V
DG
Q151 2SA970
R153 33K
R154 22K
Q152 2SC2240
R155 4.7K
Q153 DTC143ES
R156 4.7K
C160 100/50
J4 D15A12-350-2651
153 51063-1205
J3 D15A07-400-2651
152 51063-0705
R Y162
RETURN
O Y1051
O Y1052
C CN554
G G FR FL
274 AKC7003
C SR SL
275 AKC7002
J9 D15A04-250-2651
FAN +B
FAN -B
9K/10K
MR IN
272 51063-0405
Y162 ADX7209
HP. R
HP. GND
HP. L
AMP. GND
DG
RY. A
ST. +5V
FAN
D. +5. 6V
RY. +B
RY. RET
BH. GND
CN273 KPE12
W. UP
RY. B
AC. RY
RY. C/S
MR IN
RY. HP
NT/PAL
CN272 KPE7
Q203 2SC4793
R204 560 1/2W
C205 47/50
D211 MTZJ24B
SP. B
CN278
SP. A
C
CN279
SURR.
C282 1000p (YB)
C281 1000p (YB)
C284 1000p (YB)
C283 1000p (YB)
C285 1000p (YB)
C286 1000p (YB)
C287 1000p (YB)
(F)
(C)
(SL)
+50.3V
+28.9V
R279 1.2K 2W
R274 1.2K 2W
R271 1.2K 2W
RY273 ASR1035
RY275 ASR1035 HP
RY274 ASR1035
RY272 ASR1035
RY271 ASR1035
R291 180 1/4W
D275
D277
D273
D271
Q274 2SC2240
Q273 2SC2240
Q272 2SC2240
Q271 2SC2240
R280 4.7K
R281 4.7K
R277 4.7K
R278 4.7K
R275 4.7K
R276 4.7K
R272 4.7K
R273 4.7K
RY DRIVE
S271 ASH1027
9K/10K
S272 ASH1027
NT/PAL
CN277 KPE14
MG
DG
V. +12V
ST. +5V
D. +5. 6V
DSP. +3. 3V
DSP. +5V
A. +5V
DSP. GND
A. +12V
ADG
ADG
A. -15V
A. +15V
CN276 KPC10
A. -15V
ADG
ADG
A. +15V
A. +5V
A. +12V
REG. +B
REG. +B
GND
REG. -B
CN275 KPE5
GND
DSP. +B
DSP. +3. 3V
DSP. G
DSP. +5V
CN274 KPE6
GND
REG. +B
D. +5V
DG
MG
V. +12V
F 610 J6
J 231 J7
L 252 J25
K 251 J8

CN156	
09TX, 07TX, E06	AKX7007-(S)
D906S	AKB7085-(non S)

(F) ⇨ : AUDIO SIGNAL ROUTE (FRONT)
(SL) ⇨ : AUDIO SIGNAL ROUTE (REAR)
(C) ⇨ : AUDIO SIGNAL ROUTE (CENTER)

SP TERMINAL	8P (CN278)	6P (CN279)
09TX, 07TX D906S/KU.KC	AKE7033 (BANANA)	AKE7034 (BANANA)
D906S/SD	AKE7044	AKE7045

SD TYPE ONLY

Q SP TERMINAL ASSY
(AWZ8727 : KU, KC AND KU/CA TYPES)
(AWZ8788 : SD TYPE)

NOTED

1. Resisters

Indicated in OHM, 1/4W (PU)
Ⓕ : nonflammable
ⓕ : fuseful

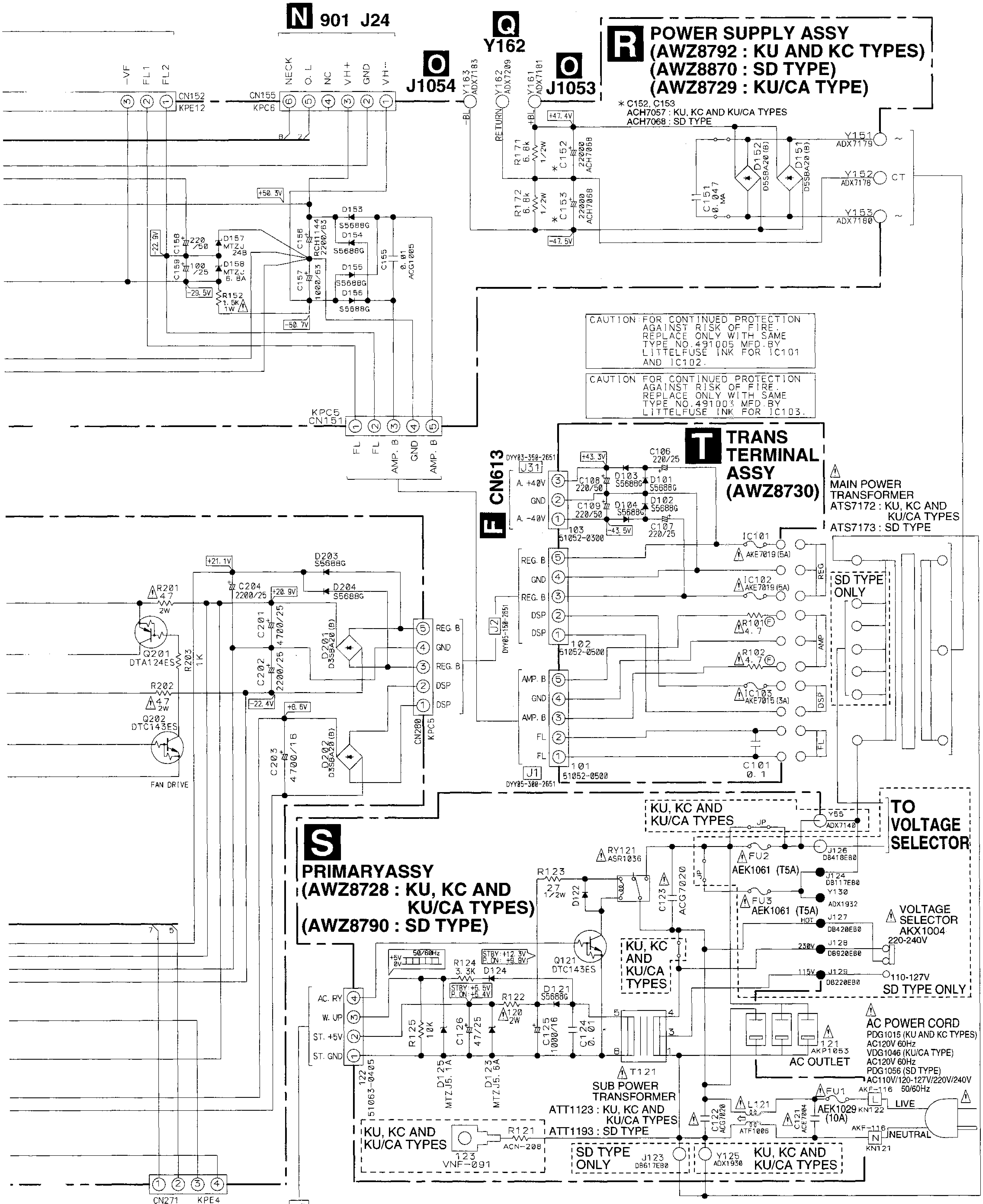
2. Capacitors

Indicated in Capacity (uF)/Voltage (V) unless otherwise noted p:pF
MA : CQMA
MXA : CQMXA
YB : CKCYB
NP : CEANP

3. Diodes

Indicates in HSS104-TP

Q R

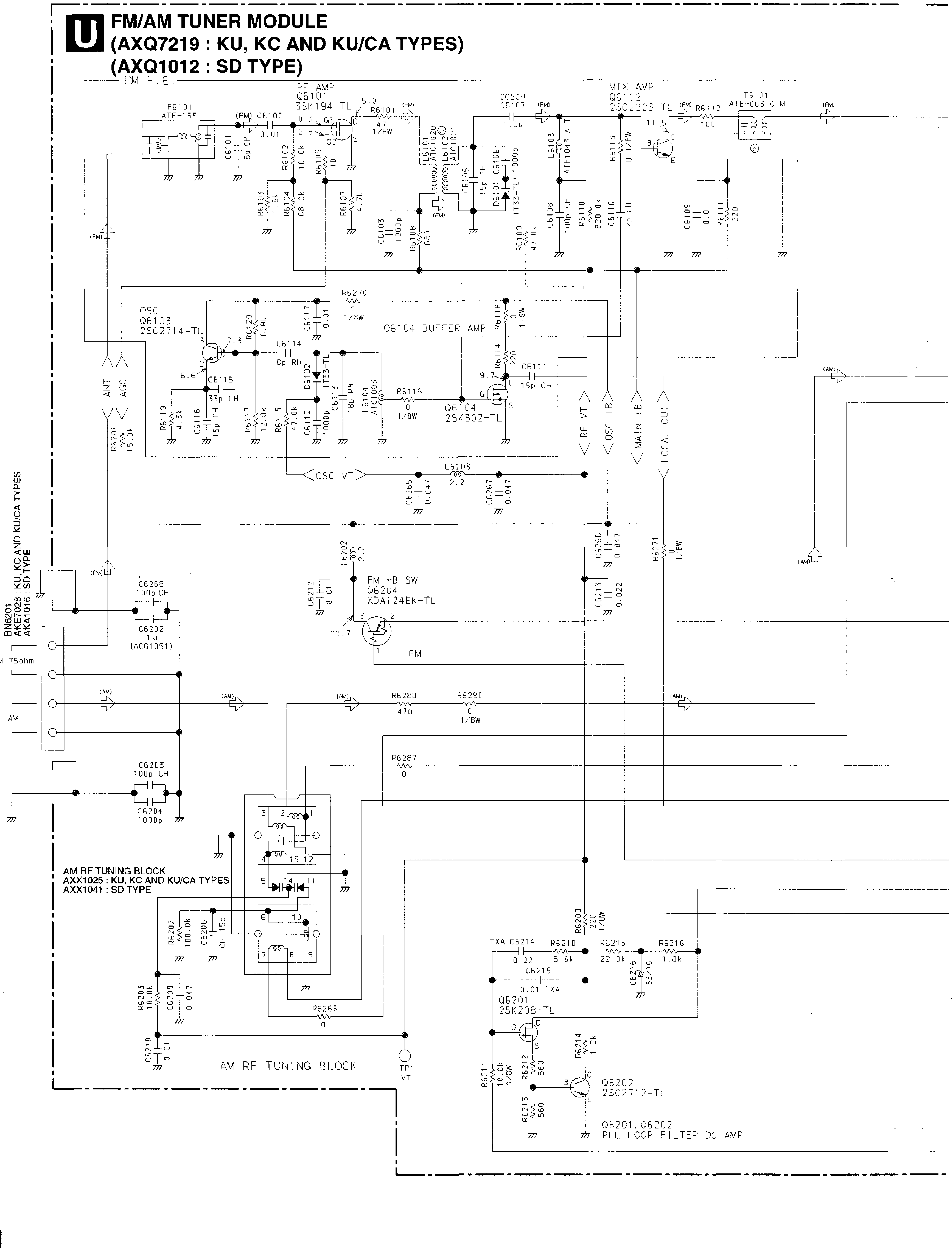


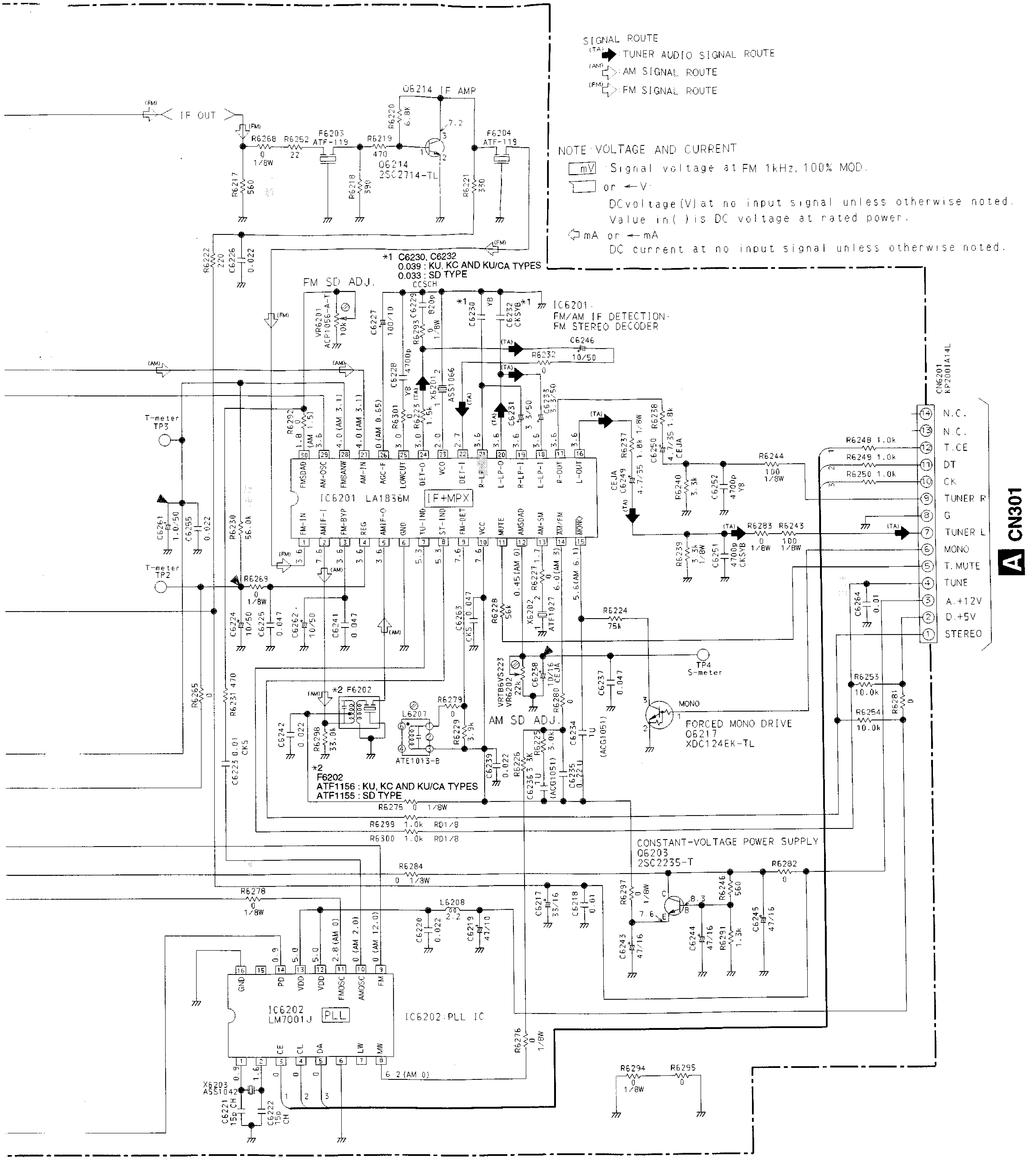
N 901 J24
O J1054
Q Y162
O J1053
R POWER SUPPLY ASSY (AWZ8792 : KU AND KC TYPES) (AWZ8870 : SD TYPE) (AWZ8729 : KU/CA TYPE)
* C152, C153
ACH7057 : KU, KC AND KU/CA TYPES
ACH7068 : SD TYPE
CN152 KPE12
CN155 KPC6
-VF
FL1
FL2
NECK
O.L
NC
VH+
GND
VH-
Y163 ADX7183
Y162 ADX7209
Y161 ADX7181
RETURN
+47.4V
-47.5V
R171 6.8k 1/2W
R172 6.8k 1/2W
C152 22000 ACH7068
C153 22000 ACH7068
C151 0.047 MA
D152 D5SBA20(B)
D151 D5SBA20(B)
Y151 ADX7179
Y152 ADX7178 CT
Y153 ADX7180
+50.3V
-22.9V
-29.5V
-50.7V
C158 220/50
C159 100/25
D157 MTZJ 24B
D158 MTZJ 6.8A
R152 1.5K 1W
C156 RCH1144 2200/63
C157 1000/63
D153 S5688G
D154 S5688G
D155 S5688G
D156 S5688G
C155 0.01 ACG1005
CAUTION: FOR CONTINUED PROTECTION AGAINST RISK OF FIRE, REPLACE ONLY WITH SAME TYPE NO.491005 MFD.BY LITTELFUSE INK FOR IC101 AND IC102.
CAUTION: FOR CONTINUED PROTECTION AGAINST RISK OF FIRE, REPLACE ONLY WITH SAME TYPE NO.491003 MFD.BY LITTELFUSE INK FOR IC103.
KPC5 CN151
FL
FL
AMP. B
GND
AMP. B
T TRANS TERMINAL ASSY (AWZ8730)
F CN613
MAIN POWER TRANSFORMER ATS7172 : KU, KC AND KU/CA TYPES ATS7173 : SD TYPE
J31 DYY03-350-2651
A. +40V
GND
A. -40V
+43.3V
-43.5V
C106 220/25
C107 220/25
C108 220/50
C109 220/50
D101 S5688G
D102 S5688G
D103 S5688G
D104 S5688G
103 51052-0300
IC101 AKE7019(5A)
IC102 AKE7019(5A)
R101 4.7
R102 4.7
IC103 AKE7015(3A)
REG. B
GND
REG. B
DSP
DSP
102 51052-0500
J2 DYY05-150-2651
AMP. B
GND
AMP. B
FL
FL
101 51052-0500
J1 DYY05-300-2651
C101 0.1
REG
AMP
DSP
FL
SD TYPE ONLY
+21.1V
+20.9V
-22.4V
+8.6V
D203 S5688G
D204 S5688G
C204 2200/25
C201 4700/25
C202 2200/25
C203 4700/16
D201 D3SBA20(B)
D202 D3SBA20(B)
R201 47 2W
R202 47 2W
R203 1K
Q201 DTA124ES
Q202 DTC143ES
FAN DRIVE
CN280 KPC5
TO VOLTAGE SELECTOR
KU, KC AND KU/CA TYPES
Y55 ADX7140
JP
J126 DB418EB0
FU2 AEK1061 (T5A)
FU3 AEK1061 (T5A)
J124 DB117EB0
Y130 ADX1932
HOT
J127 DB420EB0
230V
J128 DB920EB0
115V
J129 DB220EB0
VOLTAGE SELECTOR AKX1004
220-240V
110-127V
SD TYPE ONLY
S PRIMARYASSY (AWZ8728 : KU, KC AND KU/CA TYPES) (AWZ8790 : SD TYPE)
RY121 ASR1036
R123 27 1/2W
D122
C123 ACG7020
Q121 DTC143ES
KU, KC AND KU/CA TYPES
+5V 0V 50/60Hz
STBY:+12.3V P.ON:+9.8V
STBY:+5.5V P.ON:+5.4V
R124 3.3K
D124
R122 120 2W
D121 S5688G
AC. RY
W. UP
ST. +5V
ST. GND
R125 10K
C126 47/25
C125 1000/16
C124 0.01
D125 MTZJ5.1A
D123 MTZJ5.6A
122 51063-0405
T121 SUB POWER TRANSFORMER ATT1123 : KU, KC AND KU/CA TYPES ATT1193 : SD TYPE
AC OUTLET
121 AKP1053
AC POWER CORD
PDG1015 (KU AND KC TYPES) AC120V 60Hz
VDG1046 (KU/CA TYPE) AC120V 60Hz
PDG1056 (SD TYPE) AC110V/120-127V/220V/240V 50/60Hz
C122 ACG7020
L121 ATF1006
C121 ACE7004
FU1 AEK1029 (10A)
AKF-116 KN122 LIVE
AKF-116 KN121 NEUTRAL
KU, KC AND KU/CA TYPES
123 VNF-091
R121 ACN-208
SD TYPE ONLY J123 DB617EB0
Y125 ADX1930 KU, KC AND KU/CA TYPES
CN271 KPE4
AC. RY
W. UP
ST. +5V
ST. GND
J5 D15A04-100-2651

● NOTE FOR FUSE REPLACEMENT

CAUTION — FOR CONTINUED PROTECTION AGAINST RISK OF FIRE, REPLACE ONLY WITH SAME TYPE AND RATINGS ONLY.

3.14 FM/AM TUNER MODULE


U
FM/AM TUNER MODULE
(AXQ7219 : KU, KC AND KU/CA TYPES)
(AXQ1012 : SD TYPE)
FM F.E.
F6101
ATF-155
RF AMP
Q6101
3SK194-TL
C6102
0.01
C6101
5p CH
R6102
10.0k
R6105
10
R6103
1.6k
R6104
68.0k
R6101
47
1/8W
R6107
4.7k
L6101
ATC1020
L6102
ATC1021
C6105
15p TH
C6106
1000p
D6101
1T33-TL
C6103
1000p
R6108
680
CCSCH
C6107
1.0p
L6103
ATH1043-A-T
R6109
47.0k
C6108
100p CH
R6110
820.0k
MIX AMP
Q6102
2SC2223-TL
R6113
0 1/8W
C6110
2p CH
R6112
100
T6101
ATE-063-0-M
C6109
0.01
R6111
220
OSC
Q6103
2SC2714-TL
R6120
6.8k
C6117
0.01
R6270
0
1/8W
Q6104 BUFFER AMP
R6118
0
1/8W
C6114
8p RH
D6102
1T33-TL
C6115
33p CH
R6119
4.3k
C6116
15p CH
R6117
12.0k
R6115
47.0k
C6112
1000p
C6113
18p RH
L6104
ATC1003
R6116
0
1/8W
Q6104
2SK302-TL
R6114
220
C6111
15p CH
ANT
AGC
RF VT
OSC +B
MAIN +B
LOCAL OUT
R6201
15.0k
OSC VT
L6203
2.2
C6265
0.047
C6267
0.047
C6266
0.047
R6271
0
1/8W
L6202
2.2
C6212
0.01
FM +B SW
Q6204
XDA124EK-TL
C6213
0.022
FM
BN6201
AKE7028 : KU, KC AND KU/CA TYPES
AKA1016 : SD TYPE
C6268
100p CH
C6202
1u
(ACG1051)
FM 75ohm
AM
(AM)
(FM)
R6288
470
R6290
0
1/8W
R6287
0
C6203
100p CH
C6204
1000p
AM RF TUNING BLOCK
AXX1025 : KU, KC AND KU/CA TYPES
AXX1041 : SD TYPE
R6202
100.0k
C6208
15p CH
R6203
10.0k
C6209
0.047
R6266
0
C6210
0.01
AM RF TUNING BLOCK
TP1
VT
R6209
220
1/8W
TXA C6214
0.22
R6210
5.6k
R6215
22.0k
R6216
1.0k
C6216
33/16
C6215
0.01 TXA
Q6201
2SK208-TL
R6214
1.2k
R6211
10.0k
1/8W
R6212
560
R6213
560
Q6202
2SC2712-TL
Q6201, Q6202
PLL LOOP FILTER DC AMP


IF OUT
Q6214 IF AMP
Q6214
2SC2714-TL
R6268
R6252
F6203
ATF-119
R6219
470
F6204
ATF-119
R6220
6.8k
R6217
560
R6218
390
R6221
330
R6222
220
C6226
0.022
FM SD ADJ.
VR6201
ACP1056-A-T
10k
IC6201 LA1836M
IF+MPX
IC6201 : FM/AM IF DETECTION · FM STEREO DECODER
FMSDAD
AM-OSC
FMBANW
AM-IN
AGC-F
LOWCUT
DET-O
VCO
DET-I
R-LP-O
L-LP-O
R-LP-I
L-LP-I
R-OUT
L-OUT
FM-IN
AMIF-I
FM-BYP
REG
AMIF-O
GND
TU-IND
ST-IND
FM-DET
VCC
MUTE
AMSDAD
AM-SM
AM/FM
MONO
X6201
ASS1066
T-meter TP3
T-meter TP2
TP4 S-meter
AM SD ADJ.
VR6202
VRTB6VS223
22k
X6202
ATF1027
*2 F6202
L6207
ATE1013-B
MONO
FORCED MONO DRIVE
Q6217
XDC124EK-TL
CONSTANT-VOLTAGE POWER SUPPLY
Q6203
2SC2235-T
R6282
R6246
560
R6291
1.3k
C6244
47/16
C6245
47/16
C6243
47/16
C6217
33/16
C6218
0.01
R6297
R6284
R6278
R6275
R6299 1.0k RD1/8
R6300 1.0k RD1/8
L6208
2.2
C6220
0.022
C6219
47/10
IC6202
LM7001J
PLL
IC6202 : PLL IC
GND
PD
VDD
VDD
FMOSC
AMOSC
FM
CE
CL
DA
LW
MW
X6203
ASS1042
C6221
15p CH
C6222
15p CH
R6276
R6294
R6295
CN6201
KP200TA14L
N.C.
N.C.
T.CE
DT
CK
TUNER R
G
TUNER L
MONO
T. MUTE
TUNE
A.+12V
D.+5V
STEREO
A CN301
R6248 1.0k
R6249 1.0k
R6250 1.0k
R6244 100 1/8W
R6283 0 1/8W
R6243 100 1/8W
R6253 10.0k
R6254 10.0k
R6281 0
R6224 75k
C6264 0.01

SIGNAL ROUTE

(TA) ➡ : TUNER AUDIO SIGNAL ROUTE

(AM) ⇨ : AM SIGNAL ROUTE

(FM) ⇨ : FM SIGNAL ROUTE

NOTE : VOLTAGE AND CURRENT

mV : Signal voltage at FM 1kHz, 100% MOD.

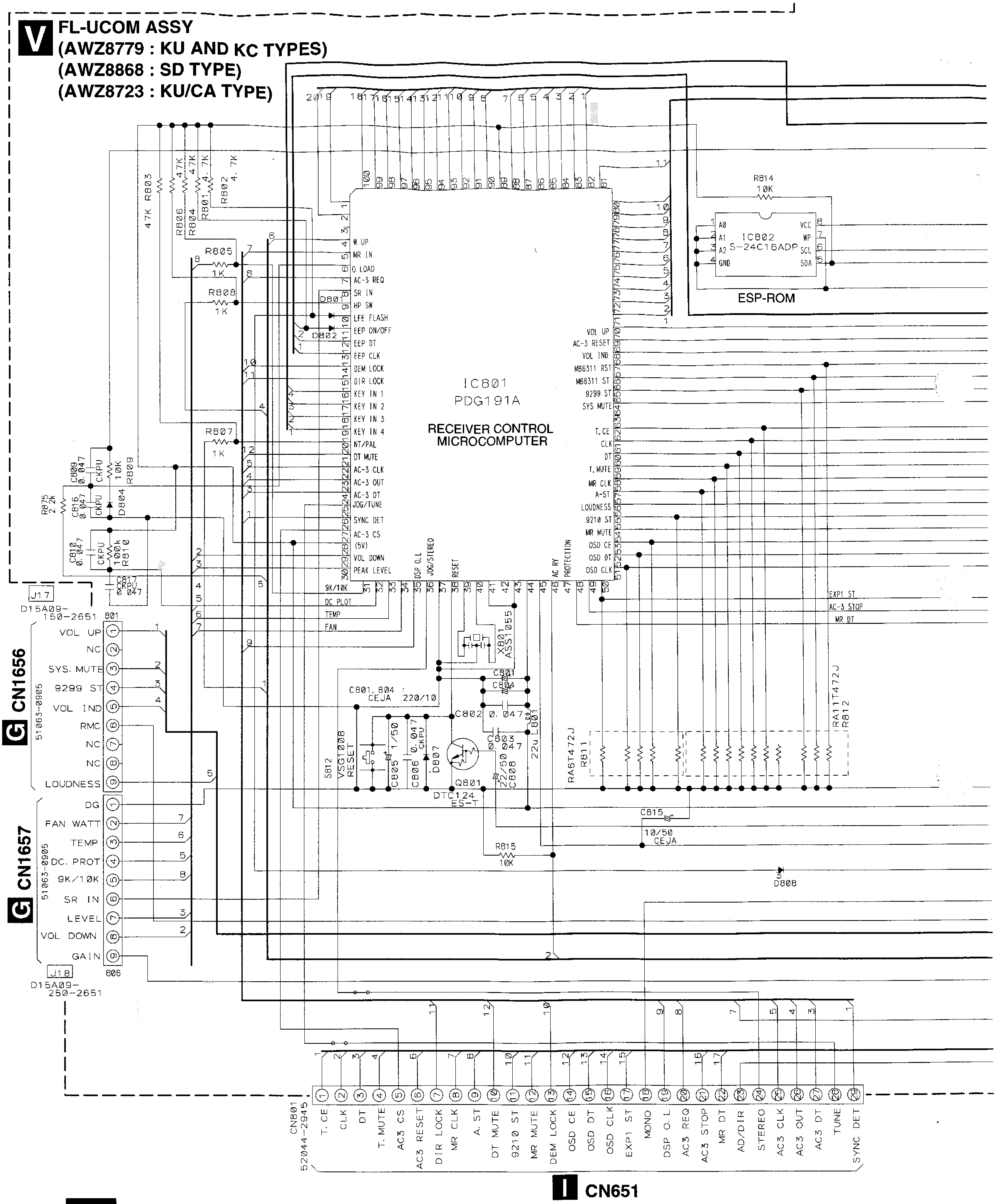
☐ or ←V : DCvoltage(V) at no input signal unless otherwise noted. Value in( ) is DC voltage at rated power.

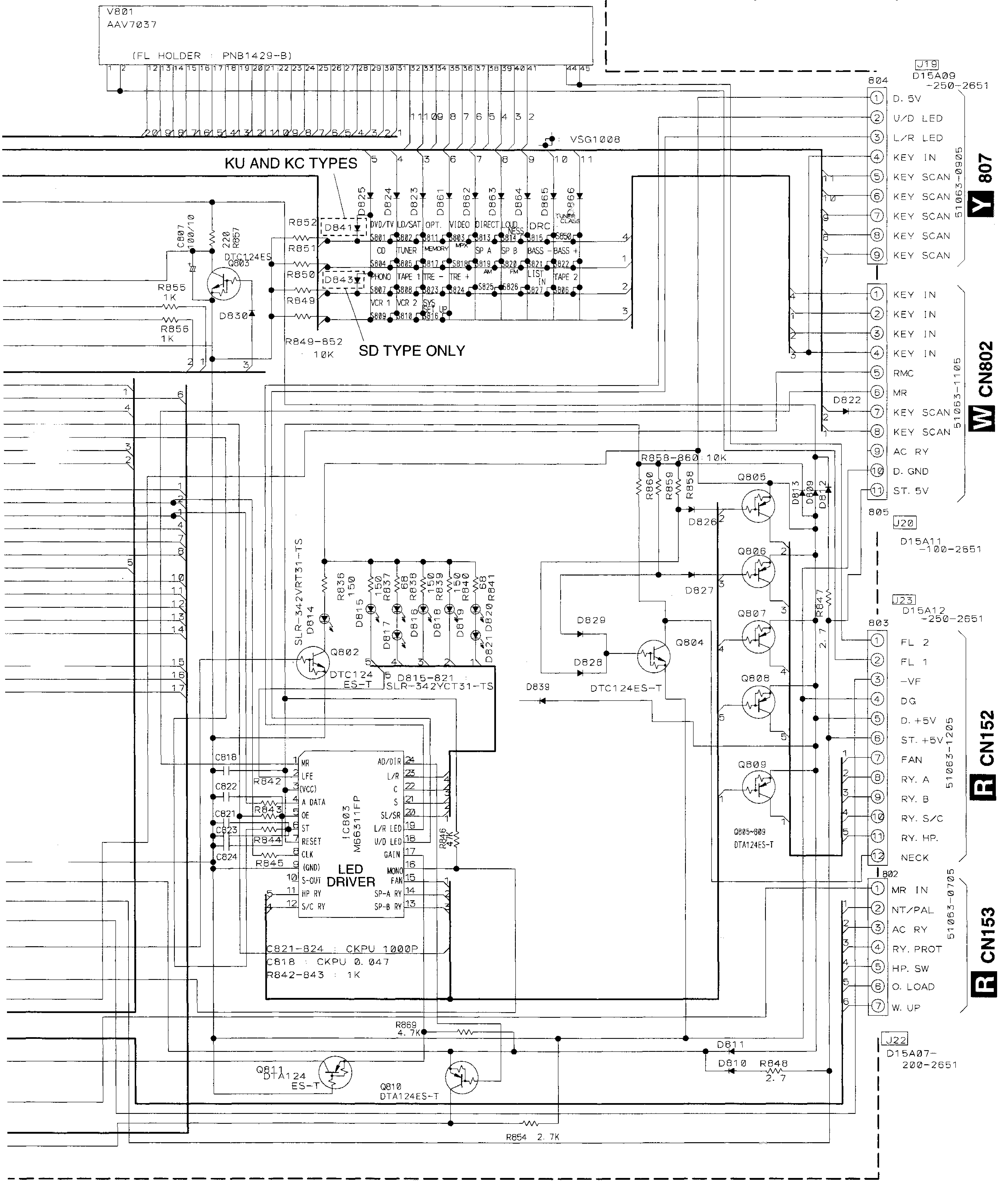
⇦ mA or ← mA : DC current at no input signal unless otherwise noted.

*1 C6230, C6232
0.039 : KU, KC AND KU/CA TYPES
0.033 : SD TYPE

*2
F6202
ATF1156 : KU, KC AND KU/CA TYPES
ATF1155 : SD TYPE

3.15 FL-UCOM ASSY


V
FL-UCOM ASSY
(AWZ8779 : KU AND KC TYPES)
(AWZ8868 : SD TYPE)
(AWZ8723 : KU/CA TYPE)
IC801
PDG191A
RECEIVER CONTROL MICROCOMPUTER
W.UP
MR IN
O LOAD
AC-3 REQ
SR IN
HP SW
LFE FLASH
EEP ON/OFF
EEP DT
EEP CLK
DEM LOCK
DIR LOCK
KEY IN 1
KEY IN 2
KEY IN 3
KEY IN 4
NT/PAL
DT MUTE
AC-3 CLK
AC-3 OUT
AC-3 DT
JOG/TUNE
SYNC DET
AC-3 CS
(5V)
VOL DOWN
PEAK LEVEL
9K/10K
DC PLOT
TEMP
FAN
DSP O.L
JOG/STEREO
RESET
AC RY
PROTECTION
VOL UP
AC-3 RESET
VOL IND
M66311 RST
M66311 ST
9299 ST
SYS MUTE
T.CE
CLK
DT
T.MUTE
MR CLK
A-ST
LOUDNESS
9210 ST
MR MUTE
OSD CE
OSD DT
OSD CLK
EXP1 ST
AC-3 STOP
MR DT
IC802
S-24C16ADP
A0
A1
A2
GND
VCC
WP
SCL
SDA
ESP-ROM
R814
10K
R803 47K
R806 47K
R804 47K
R801 4.7K
R802 4.7K
R805 1K
R808 1K
R807 1K
R809 10K
R810 100k
R875 2.2k
C809 0.047 CKPU
C816 0.047 CKPU
C810 0.047 CKPU
C817 CKPU 0.047
D801
D802
D804
J17
D15A09-150-2651
801
CN1656
51063-0905
G
VOL UP
NC
SYS. MUTE
9299 ST
VOL IND
RMC
NC
NC
LOUDNESS
CN1657
51063-0905
G
DG
FAN WATT
TEMP
DC. PROT
9K/10K
SR IN
LEVEL
VOL DOWN
GAIN
J18
D15A09-250-2651
806
X801
ASS1055
C801
C804
C801, 804 : CEJA 220/10
C802 0.047
C803 0.047
L801 22u
S812
VSG1008
RESET
C805 1/50
C806 0.047 CKPU
D807
Q801
DTC124ES-T
C808 2.2/50
R815
10K
C815
10/50
CEJA
D808
RA6T472J
R811
RA11T472J
R812
CN801
52044-2945
T. CE
CLK
DT
T. MUTE
AC3 CS
AC3 RESET
DIR LOCK
MR CLK
A. ST
DT MUTE
9210 ST
MR MUTE
DEM LOCK
OSD CE
OSD DT
OSD CLK
EXP1 ST
MONO
DSP O.L
AC3 REQ
AC3 STOP
MR DT
AD/DIR
STEREO
AC3 CLK
AC3 OUT
AC3 DT
TUNE
SYNC DET
I
CN651

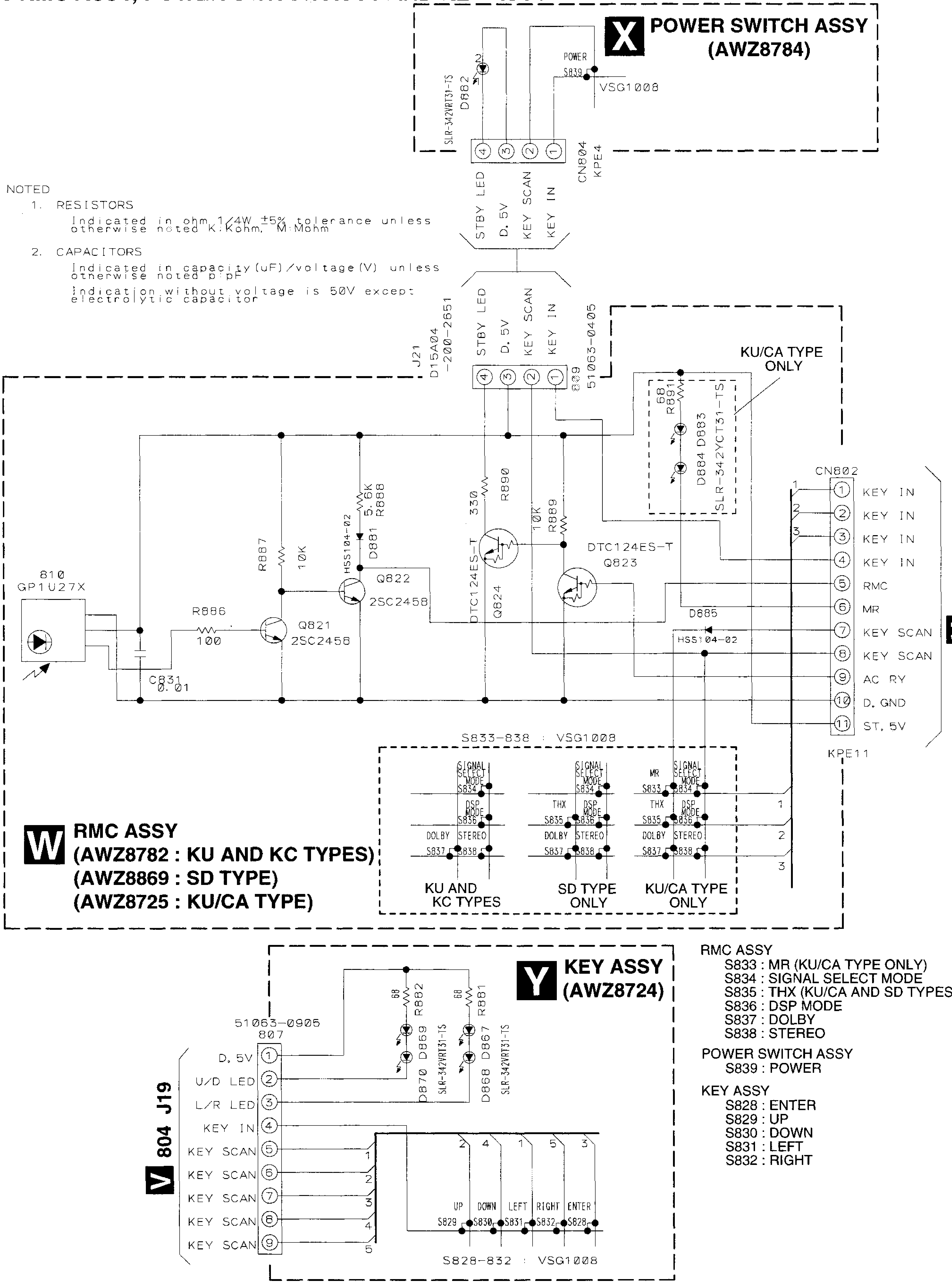

V801
AAV7037
(FL HOLDER : PNB1429-B)
J19
D15A09
-250-2651
804
D. 5V
U/D LED
L/R LED
KEY IN
KEY SCAN
KEY SCAN
KEY SCAN
KEY SCAN
KEY SCAN
51063-0905
Y 807
VSG1008
KU AND KC TYPES
SD TYPE ONLY
D825
D824
D823
D861
D862
D863
D864
D865
D866
D841
D843
R852
R851
R850
R849
R849-852
10K
S801 DVD/TV
S802 LD/SAT
S811 OPT.
S803 VIDEO
S813 DIRECT
S814 LOUDNESS
S815 DRC
S850 TUNER CLASS
S804 CD
S805 TUNER
S817 MEMORY
S818 MPX
S819 SP A
S820 SP B
S821 BASS −
S822 BASS +
S807 PHONO
S808 TAPE 1
S823 TRE −
S824 TRE +
S825 AM
S826 FM
S827 LIST IN
S806 TAPE 2
S809 VCR 1
S810 VCR 2
S816 SYS SET UP
C807
100/10
R857
220
DTC124ES
Q803
R855
1K
R856
1K
D830
KEY IN
KEY IN
KEY IN
KEY IN
RMC
MR
KEY SCAN
KEY SCAN
AC RY
D. GND
ST. 5V
51063-1105
W CN802
D822
R858-860 : 10K
R860
R859
R858
Q805
D813
D809
D812
D826
805
J20
D15A11
-100-2651
Q806
D827
Q807
D829
Q804
D828
DTC124ES-T
R847
2.7
J23
D15A12
-250-2651
803
FL 2
FL 1
-VF
DG
D. +5V
ST. +5V
FAN
RY. A
RY. B
RY. S/C
RY. HP.
NECK
51063-1205
R CN152
Q808
Q809
Q805~809
DTA124ES-T
D839
SLR-342VRT31-TS
D814
R836
150
R837
68
R838
150
R839
150
R840
68
R841
D815
D816
D817
D818
D819
D820
D821
Q802
DTC124
ES-T
D815-821 :
SLR-342YCT31-TS
IC803
M66311FP
LED
DRIVER
MR
LFE
(VCC)
A DATA
OE
ST
RESET
CLK
(GND)
S-OUT
HP RY
S/C RY
AD/DIR
L/R
C
S
SL/SR
L/R LED
U/D LED
GAIN
MONO
FAN
SP-A RY
SP-B RY
C818
C822
C821
C823
C824
R842
R843
R844
R845
R846
47K
C821-824 : CKPU 1000P
C818 : CKPU 0.047
R842-843 : 1K
802
MR IN
NT/PAL
AC RY
RY. PROT
HP. SW
O. LOAD
W. UP
51063-0705
R CN153
R869
4.7K
D811
D810
R848
2.7
J22
D15A07-
200-2651
Q811
DTA124
ES-T
Q810
DTA124ES-T
R854 2.7K

NOTED
1. RESISTORS
Indicated in ohm 1/4w ±5% tolerance unless otherwise noted K:Kohm, M:Mohm
2. CAPACITORS
Indicated in capacity(uF)/voltage(V) unless otherwise noted p:pF
Indication without voltage is 50V except electrolytic capacitor
3. DIODE
→ : HSS104-02-

FL U-COM ASSY

S801 : DVD/TV
S802 : LD/SAT
S803 : VIDEO
S804 : CD
S805 : TUNER
S806 : TAPE2
S807 : PHONO
S808 : TAPE1
S809 : VCR1
S810 : VCR2
S811 : OPT.
S812 : RESET
S813 : DIRECT
S814 : LOUDNESS
S815 : DRC
S816 : SYS SET UP
S817 : MEMORY
S818 : MPX
S819 : SP A
S820 : SP B
S821 : BASS −
S822 : BASS +
S823 : TRE −
S824 : TRE +
S825 : AM
S826 : FM
S827 : LIST IN
S850 : TUNER CLASS

3.16 RMC ASSY, POWER SWITCH ASSY AND KEY ASSY


X POWER SWITCH ASSY (AWZ8784)
POWER
S839
VSG1008
D882
SLR-342VRT31-TS
CN804
KPE4
STBY LED
D. 5V
KEY SCAN
KEY IN
J21
D15A04
-200-2651
51063-0405
809
KU/CA TYPE ONLY
68
R891
D884 D883
SLR-342YCT31-TS
CN802
KEY IN
KEY IN
KEY IN
KEY IN
RMC
MR
KEY SCAN
KEY SCAN
AC RY
D. GND
ST. 5V
KPE11
V 805 J20
810
GP1U27X
R886
100
C831
0.01
Q821
2SC2458
R887
10K
HSS104-02
D881
5.6K
R888
Q822
2SC2458
330
R890
DTC124ES-T
Q824
10K
R889
DTC124ES-T
Q823
D885
HSS104-02
S833-838 : VSG1008
SIGNAL SELECT MODE
S834
DSP MODE
S836
DOLBY
S837
STEREO
S838
THX
S835
MR
S833
KU AND KC TYPES
SD TYPE ONLY
KU/CA TYPE ONLY
W RMC ASSY
(AWZ8782 : KU AND KC TYPES)
(AWZ8869 : SD TYPE)
(AWZ8725 : KU/CA TYPE)
Y KEY ASSY (AWZ8724)
51063-0905
807
D. 5V
U/D LED
L/R LED
KEY IN
KEY SCAN
KEY SCAN
KEY SCAN
KEY SCAN
KEY SCAN
V 804 J19
68
R882
68
R881
D869
D870
SLR-342VRT31-TS
D867
D868
SLR-342VRT31-TS
UP
S829
DOWN
S830
LEFT
S831
RIGHT
S832
ENTER
S828
S828-832 : VSG1008

NOTED

1. RESISTORS

   Indicated in ohm 1/4W ±5% tolerance unless otherwise noted K:Kohm, M:Mohm

2. CAPACITORS

   Indicated in capacity (uF)/voltage (V) unless otherwise noted p:pF

   Indication without voltage is 50V except electrolytic capacitor

RMC ASSY
- S833 : MR (KU/CA TYPE ONLY)
- S834 : SIGNAL SELECT MODE
- S835 : THX (KU/CA AND SD TYPES)
- S836 : DSP MODE
- S837 : DOLBY
- S838 : STEREO

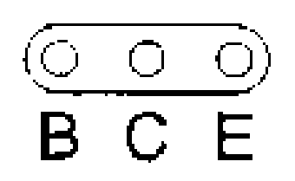
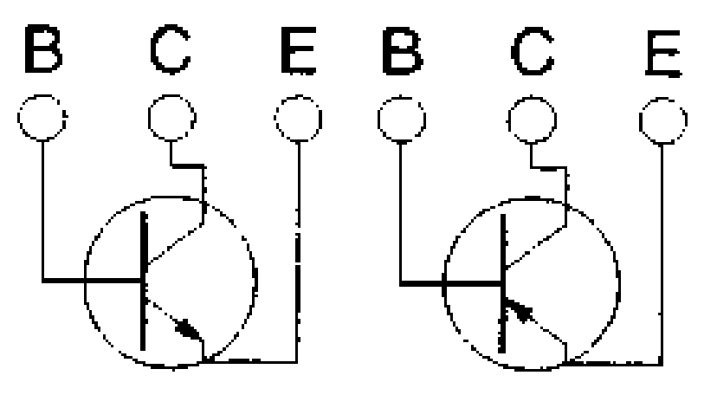
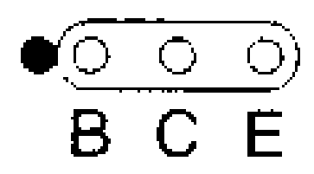
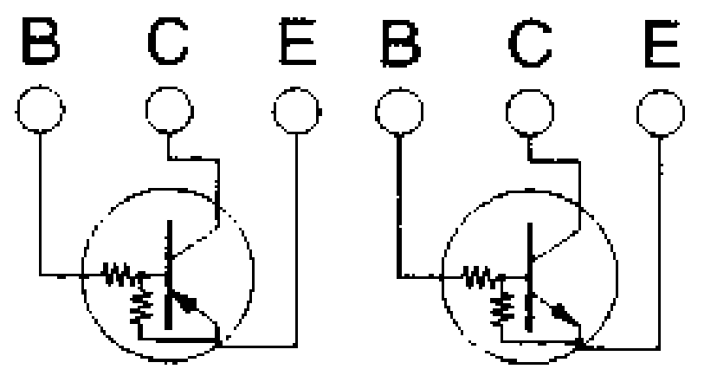
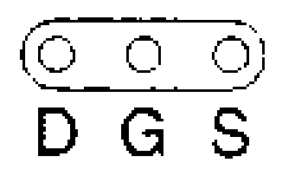
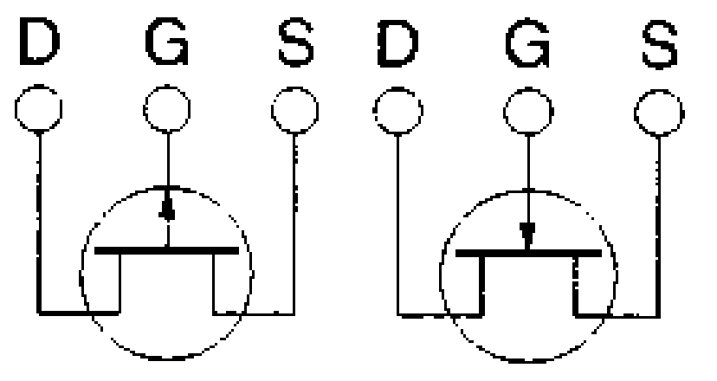
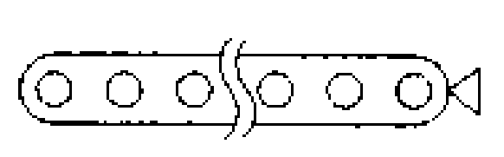
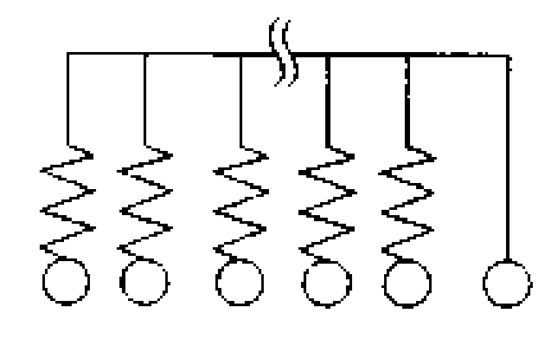
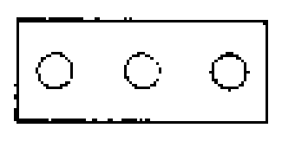
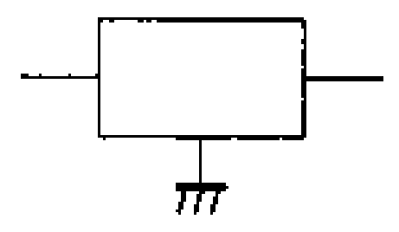
POWER SWITCH ASSY
- S839 : POWER

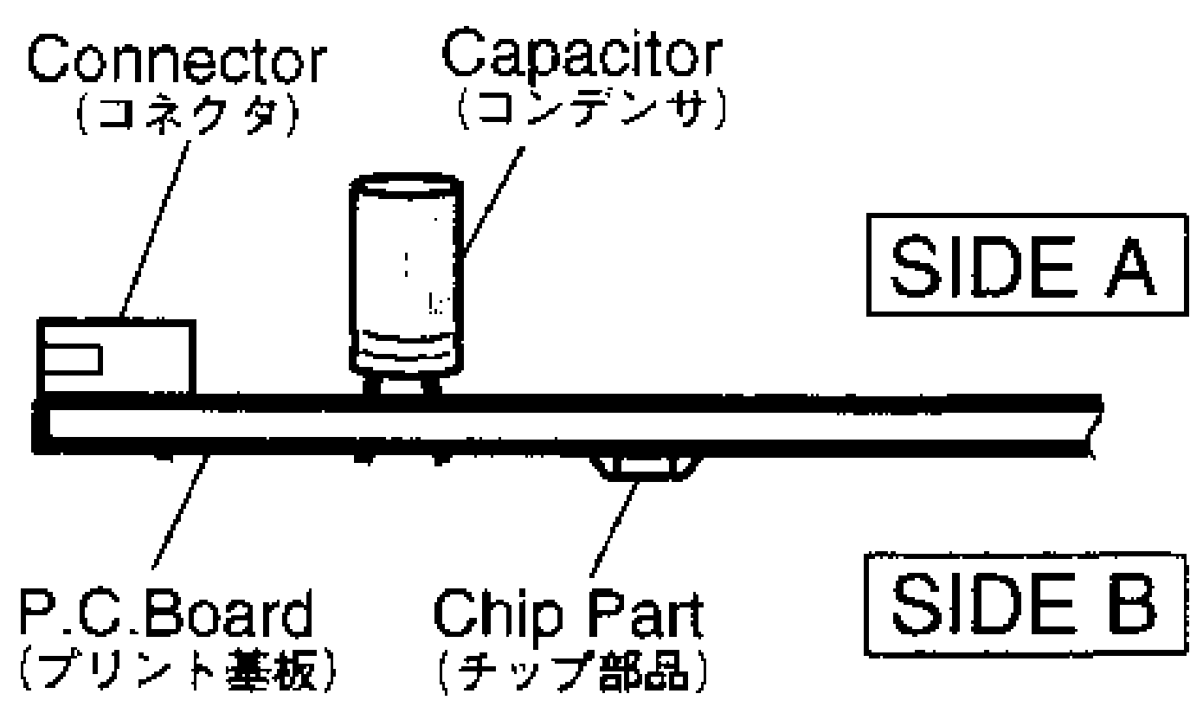
KEY ASSY
- S828 : ENTER
- S829 : UP
- S830 : DOWN
- S831 : LEFT
- S832 : RIGHT

4. PCB CONNECTION DIAGRAM

NOTE FOR PCB DIAGRAMS

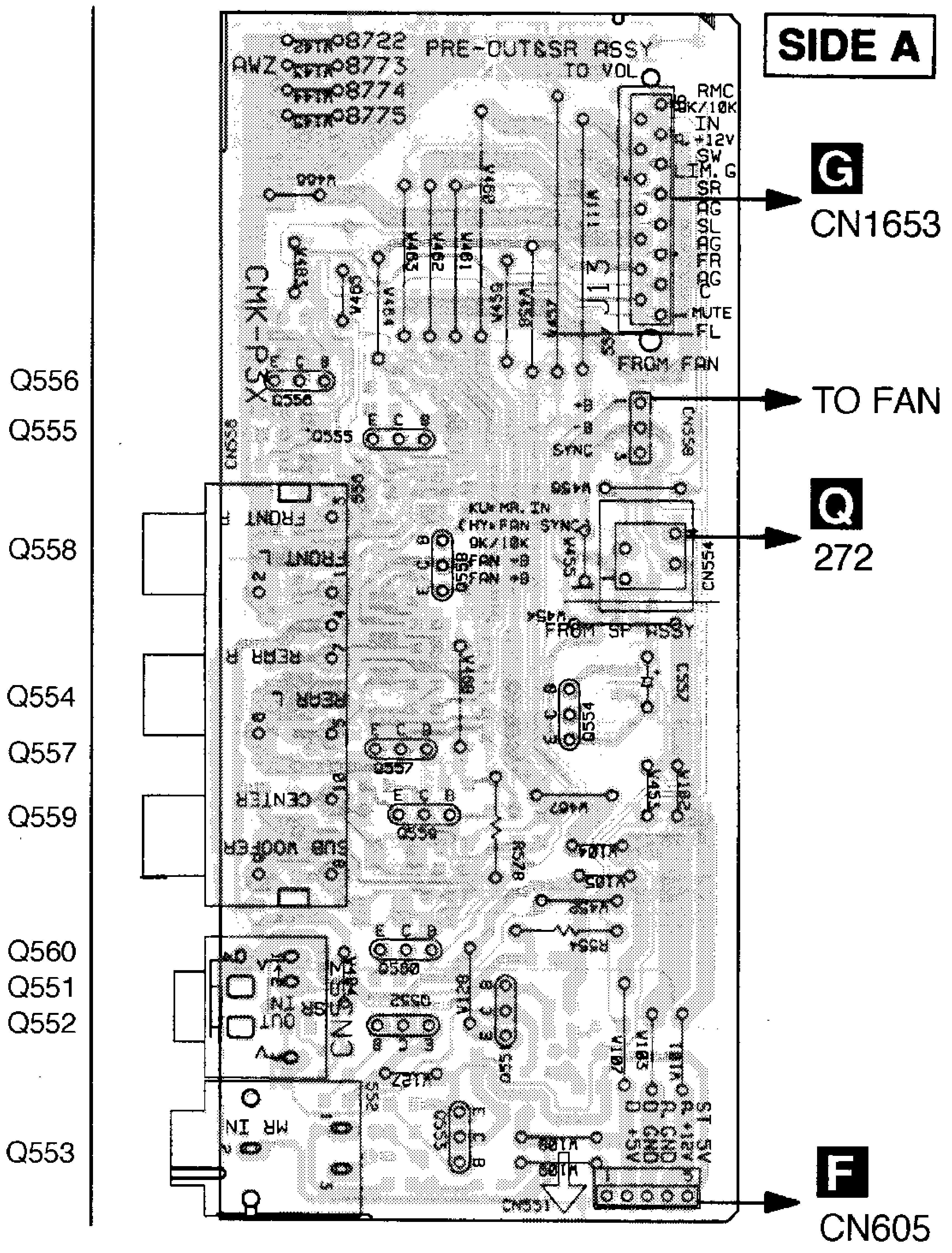
1. Part numbers in PCB diagrams match those in the schematic diagrams.
2. A comparison between the main parts of PCB and schematic diagrams is shown below.
3. The parts mounted on this PCB include all necessary parts for several destination.
   For further information for respecitve destinations, be sure to check with the schematic diagram.
4. Viewpoint of PCB diagrams

Symbol in PCB Diagrams	Symbol in Schematic Diagrams	Part Name
 B C E	 B C E B C E	Transistor
 B C E	 B C E B C E	Transistor with resistor
 D G S	 D G S D G S	Field effect transistor
		Resistor array
		3-terminal regulator

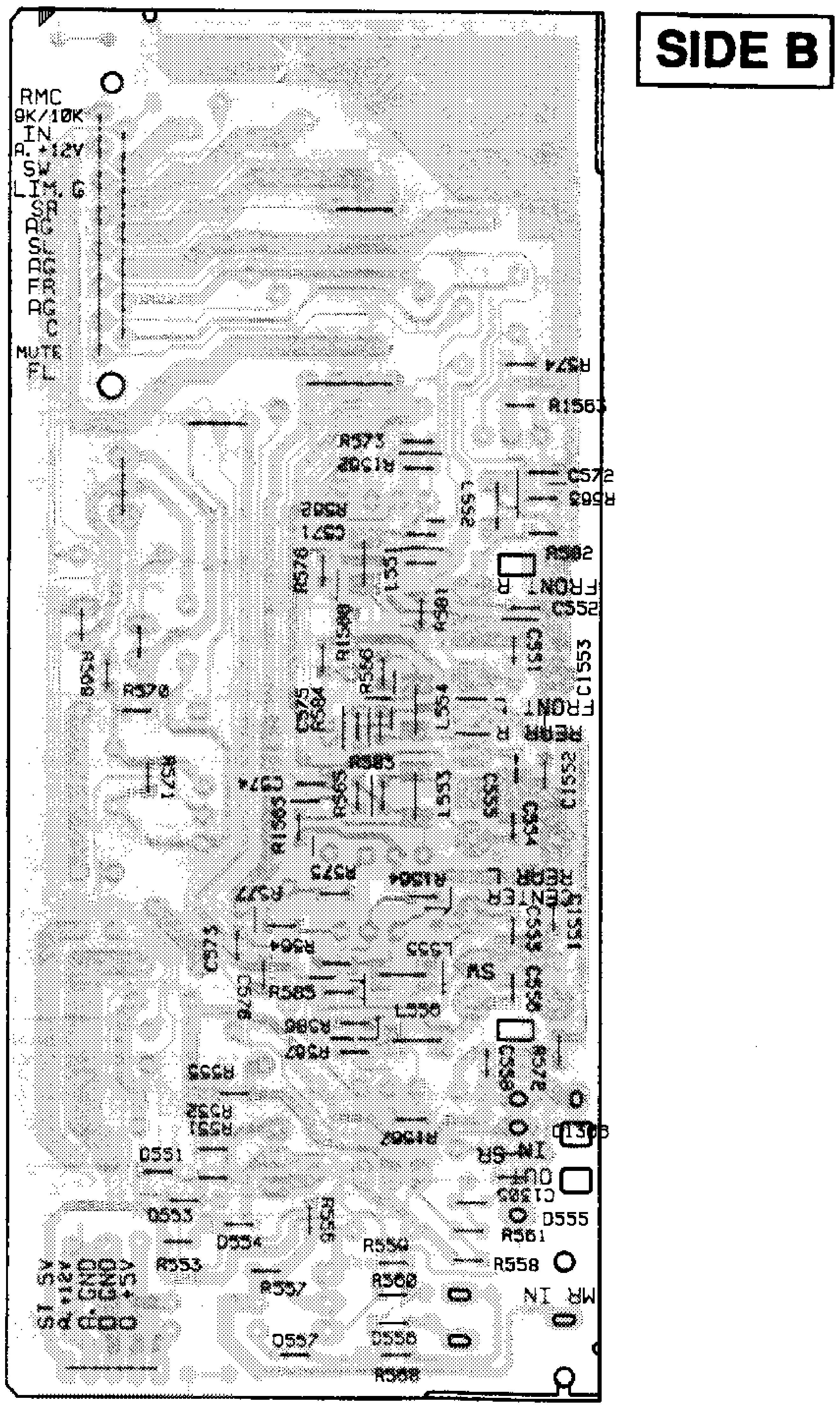

Connector
(コネクタ)
Capacitor
(コンデンサ)
SIDE A
P.C.Board
(プリント基板)
Chip Part
(チップ部品)
SIDE B

4.1 PRE-OUT & SR ASSY

C PRE-OUT & SR ASSY

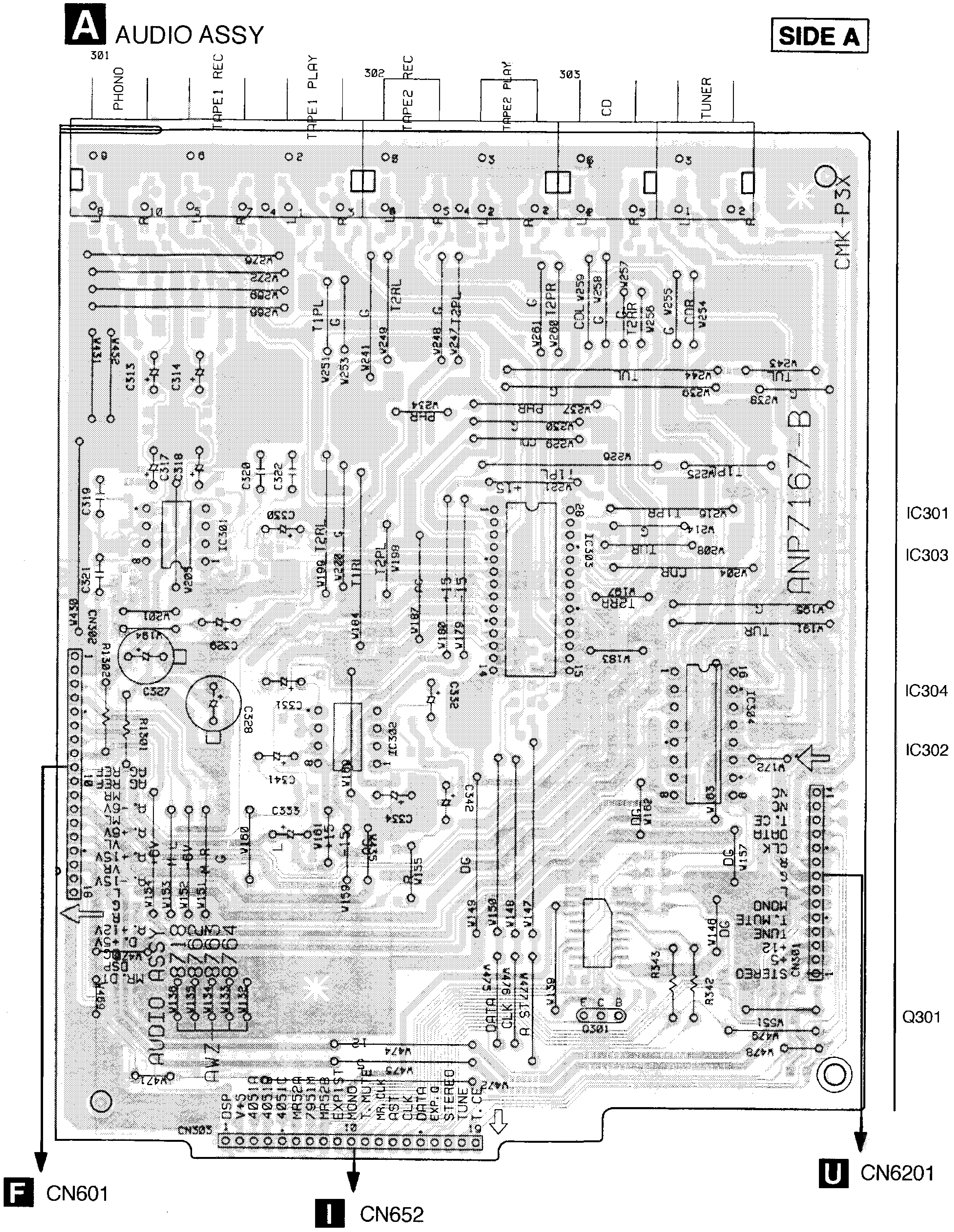

SIDE A
PRE-OUT&SR ASSY
TO VOL
AWZ 8722
8773
8774
8775
RMC
9K/10K
IN
R.+12V
SW
LIM.G
SR
RG
SL
RG
FR
RG
C
MUTE
FL
FROM FAN
G
CN1653
TO FAN
Q
272
F
CN605
CMK-P3X
FRONT R
FRONT L
REAR R
REAR L
CENTER
SUB WOOFER
FROM SP ASSY
SR IN
SR OUT
MR IN
Q556
Q555
Q558
Q554
Q557
Q559
Q560
Q551
Q552
Q553

C PRE-OUT & SR ASSY


SIDE B
RMC
9K/10K
IN
R.+12V
SW
LIM.G
SR
RG
SL
RG
FR
RG
C
MUTE
FL
FRONT R
FRONT L
REAR R
REAR L
CENTER
SR IN
SR OUT
MR IN

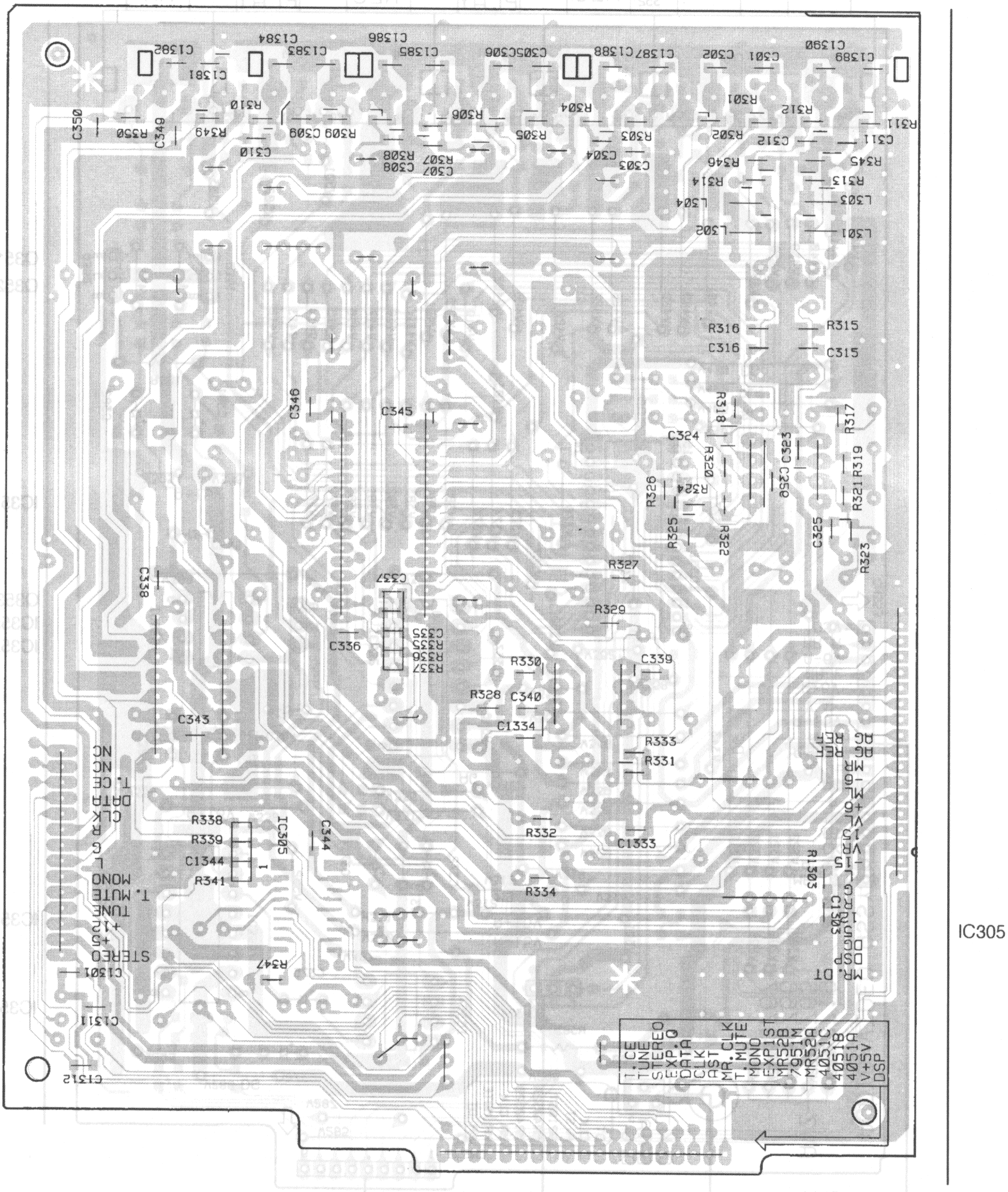
ANP7167-B

4.2 AUDIO ASSY


A AUDIO ASSY
SIDE A
301
PHONO
TAPE1 REC
TAPE1 PLAY
302
TAPE2 REC
TAPE2 PLAY
303
CD
TUNER
CMK-P3X
ANP7167-B
AWZ AUDIO ASSY
IC301
IC303
IC304
IC302
Q301
CN301
CN302
CN303
F CN601
I CN652
U CN6201
DSP
V+5
4051A
4051B
4051C
MR52A
7951M
MR52B
EXP1ST
MONO
T.MUTE
MR.CLK
AST
CLK
DATA
EXP.Q
STEREO
TUNE
T.CE
NC
T.CE
DATA
CLK
L
R
MONO
T.MUTE
TUNE
+12
+5
STEREO
+15V
-15V
VREV
+6V
-6V
DG
G

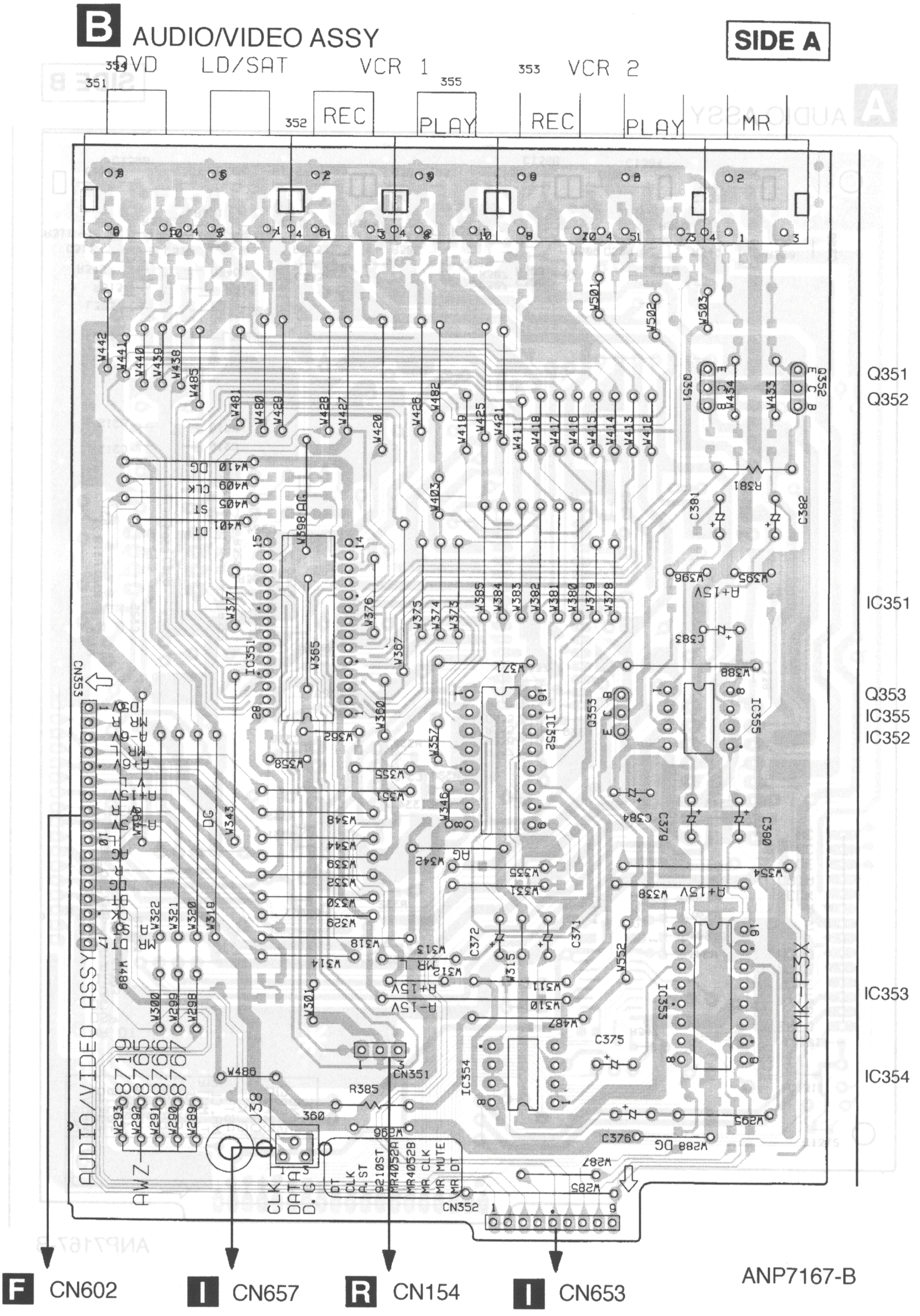
A AUDIO ASSY

SIDE B


C1382
C1381
C1384
C1383
C1386
C1385
C305
C306
C1387
C1388
C302
C301
C1390
C1389
C350
R350
C349
R349
R310
C310
R309
C309
R308
R307
C308
C307
R306
R305
R304
R303
C304
C303
R302
R301
R312
R311
C312
C311
R346
R345
R314
R313
L304
L303
L302
L301
R316
R315
C316
C315
R318
R317
C324
C323
R320
R319
C346
C345
R326
R324
C320
R321
R325
R322
C325
R323
R327
R329
C338
C337
C336
C335
R335
R336
R337
R330
C339
R328
C340
C1334
R333
R331
C343
NC
NC
T.CE
DATA
CLK
R
G
L
MONO
T.MUTE
TUNE
+12
+5
STEREO
R338
R339
C1344
R341
IC305
C344
R332
C1333
R334
R1303
C1303
DG
DG
REF
REF
MR-
ML-
V+6
V-15
GND
DSP
MR.DT
R347
C1301
C1311
C1312
T.CE
TUNE
STEREO
EXP.Q
DATA
CLK
AST
MR.CLK
T.MUTE
MONO
EXP1ST
MR52B
7951M
MR52A
4051C
4051B
4051A
V+5V
DSP
IC305

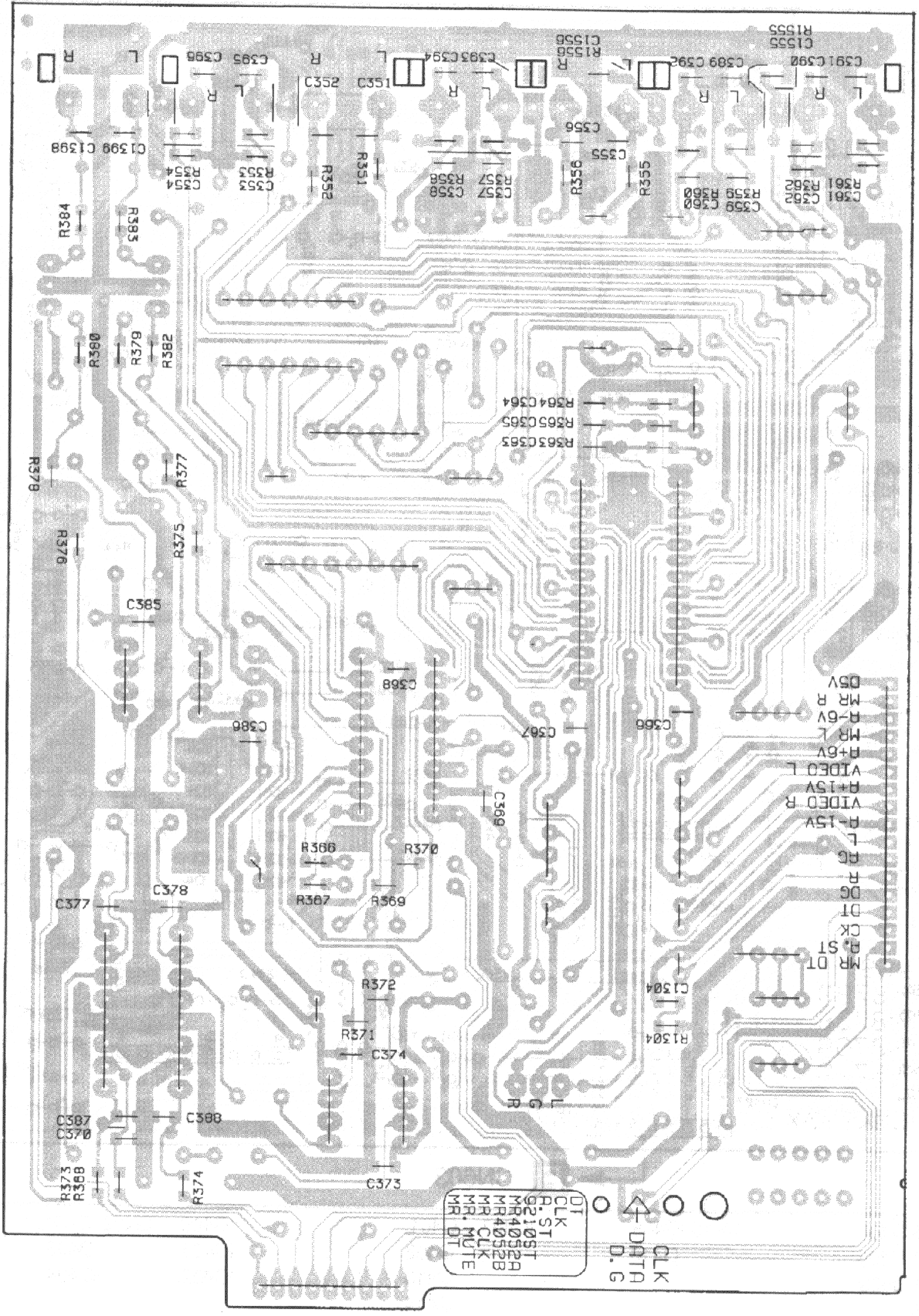
ANP7167-B

4.3 AUDIO/VIDEO ASSY


B AUDIO/VIDEO ASSY
SIDE A
DVD
LD/SAT
VCR 1
VCR 2
REC
PLAY
REC
PLAY
MR
351
352
353
354
355
Q351
Q352
IC351
Q353
IC355
IC352
IC353
IC354
CN353
CN351
CN352
R385
R381
C381
C382
C383
C371
C372
C375
C376
C379
C380
C384
J38
360
DT
CLK
A.ST
9210ST
MR4052A
MR4052B
MR CLK
MR MUTE
MR DT
CLK
DATA
D.G
A+15V
A-15V
DG
AG
CMK-P3X
AUDIO/VIDEO ASSY
F CN602
I CN657
R CN154
I CN653
ANP7167-B

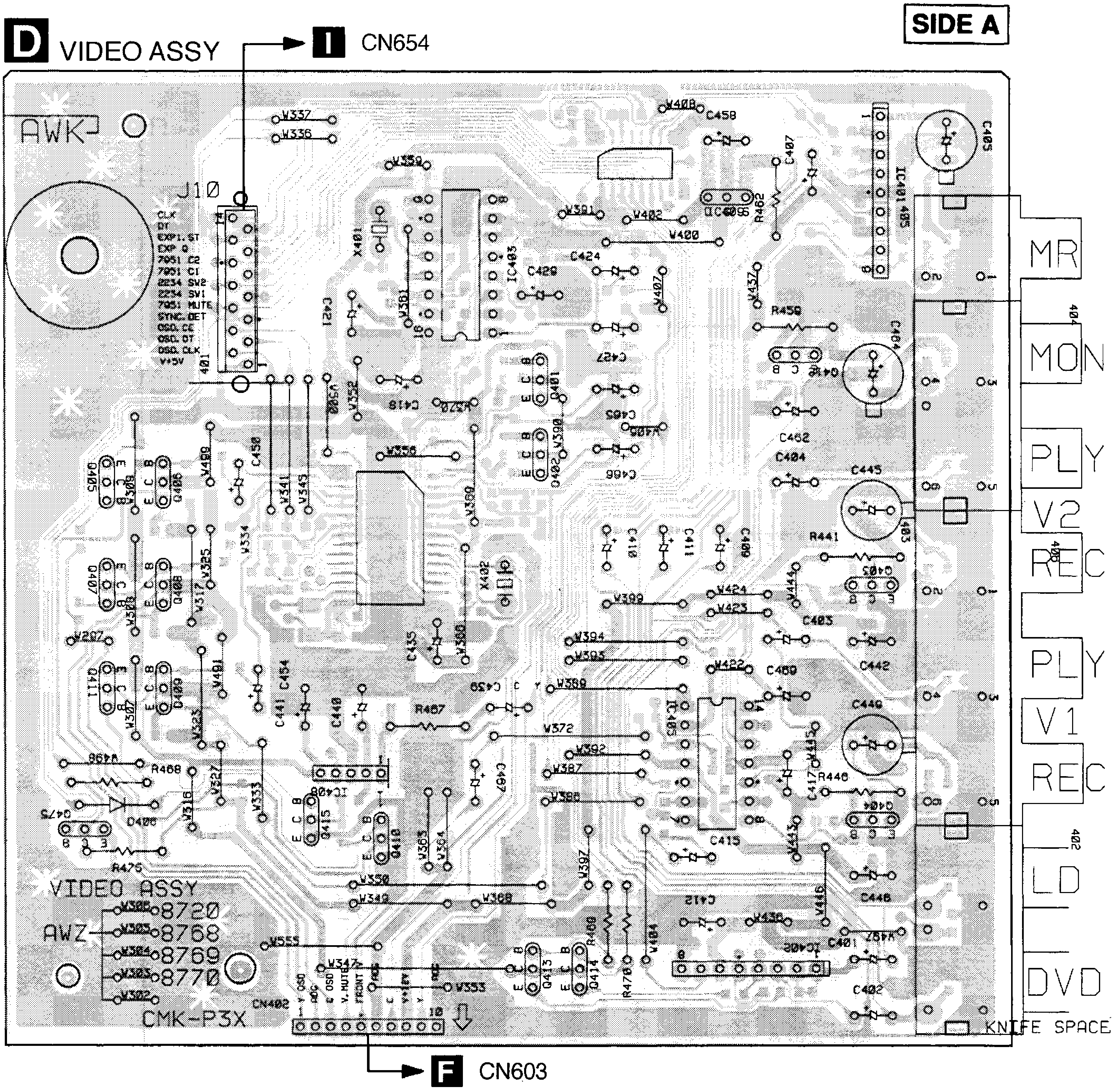
B AUDIO/VIDEO ASSY

SIDE B


R
L
C396
C395
R
C352
C351
L
C393
C394
R
L
R1556
C1556
C389
C392
C391
C390
R1555
C1555
C1399
C1398
R354
C354
R353
C353
R352
R351
R358
C358
R357
C357
R356
C356
C355
R355
R359
C359
R360
C360
R361
C361
R362
C362
R384
R383
R380
R379
R382
R364
C364
R365
C365
R363
C363
R378
R377
R376
R375
C385
C368
C386
C367
C366
C369
D5V
MR R
A-6V
MR L
A+6V
VIDEO L
A+15V
VIDEO R
A-15V
L
AG
R
DG
DT
CK
A.ST
MR DT
R366
R370
R367
R369
C377
C378
R372
C1304
R1304
R371
C374
R
G
L
C387
C370
C388
C373
R373
R388
R374
DT
CLK
A.ST
9210ST
MR4052A
MR4052B
MR.CLK
MR.MUTE
MR.DT
CLK
DATA
D.G

ANP7167-B

4.4 VIDEO ASSY


D VIDEO ASSY
I CN654
SIDE A
AWK
J10
CLK
DT
EXP1.ST
EXP 0
7051 C2
7051 C1
2234 SW2
2234 SW1
7051 MUTE
SYNC.DET
OSD.CE
OSD.DT
OSD.CLK
V+5V
401
IC403
X401
X402
IC401
IC405
IC408
IC409
IC402
Q401
Q402
Q403
Q404
Q405
Q406
Q407
Q408
Q409
Q410
Q411
Q412
Q413
Q414
Q415
Q475
D406
R441
R446
R459
R462
R467
R468
R469
R470
R475
C402
C403
C404
C405
C407
C409
C410
C411
C412
C415
C417
C418
C421
C424
C427
C429
C435
C440
C441
C442
C445
C446
C448
C449
C450
C454
C458
C459
C462
C465
C466
W336
W337
W341
W345
W349
W350
W353
W355
W359
W368
W372
W387
W391
W392
W393
W394
W399
W400
W402
W408
W422
W423
W424
W436
W555
MR
404
MON
PLY
V2
403
REC
PLY
V1
REC
402
LD
DVD
KNIFE SPACE
VIDEO ASSY
AWZ
8720
8768
8769
8770
CMK-P3X
CN402
1
Y OSD
AGC
C OSD
V.MUTE
FRONT
C
V+12V
Y
10
F CN603

Q405 Q406
Q407 Q408
Q411 Q409
Q475

Q415 IC408
Q410

IC403

Q401
Q402
Q413
Q414

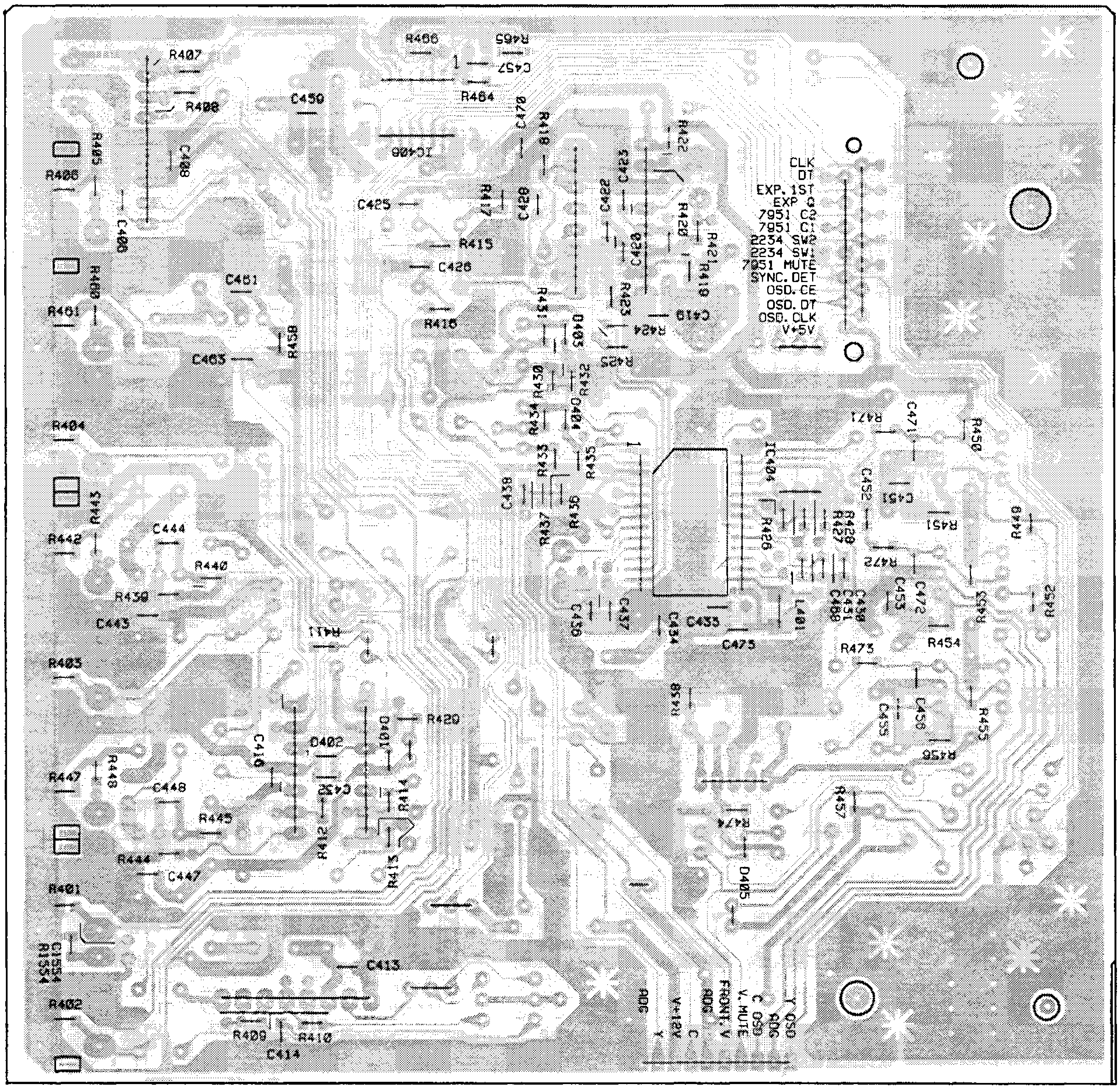
IC409
IC405
IC402

Q412 IC401
Q403
Q404

ANP7167-B

SIDE B

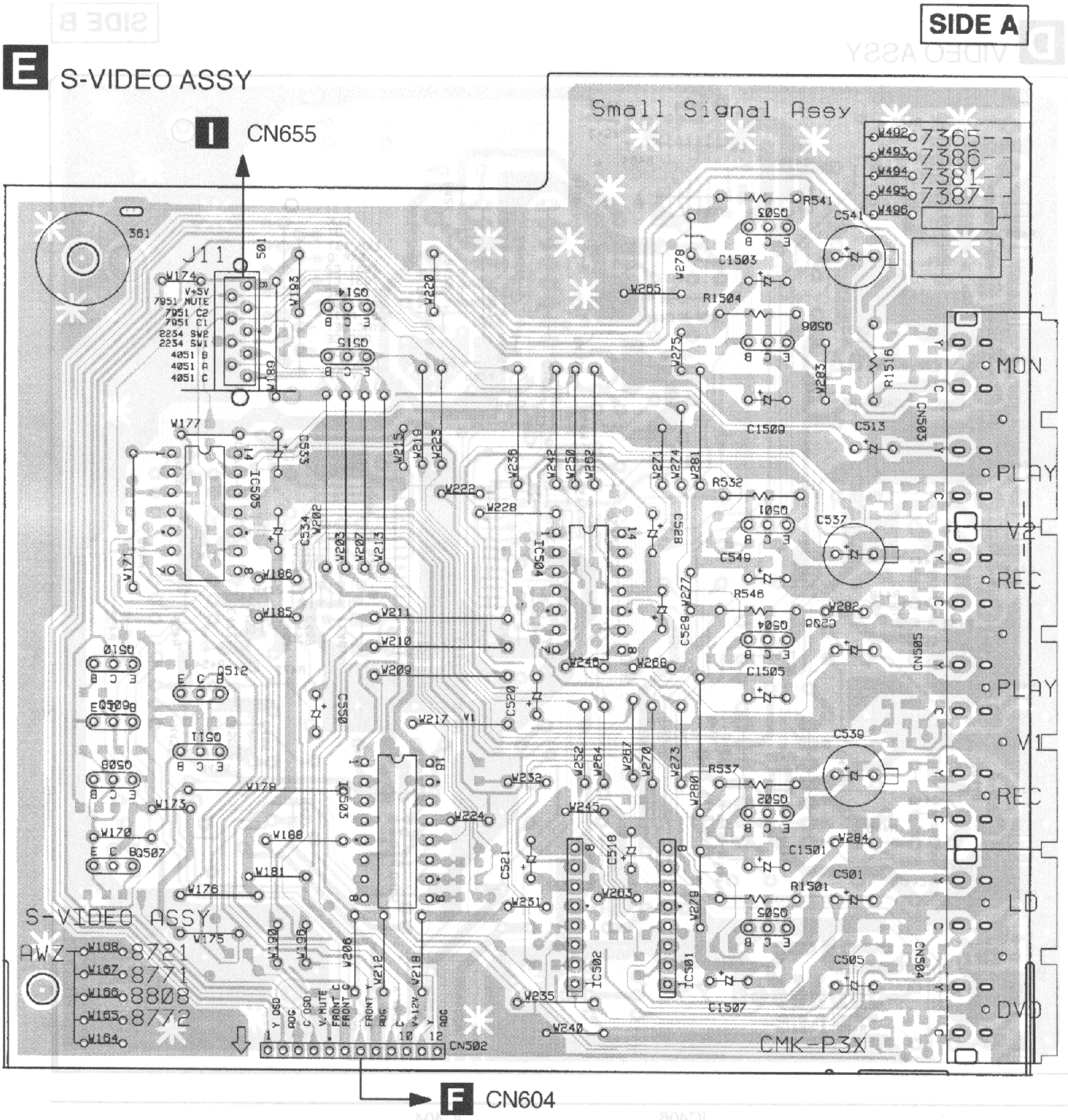
D VIDEO ASSY


CLK
DT
EXP. 1ST
EXP Q
7951 C2
7951 C1
2234 SW2
2234 SW1
7951 MUTE
SYNC. DET
OSD. CE
OSD. DT
OSD. CLK
V+5V
IC406
IC404
Y OSD
ADG
C OSD
V. MUTE
FRONT. V
ADG
C
V+18V
Y
ADG

IC406 IC404

ANP7167-B

4.5 S-VIDEO ASSY


SIDE A
E S-VIDEO ASSY
I CN655
F CN604
Small Signal Assy
S-VIDEO ASSY
CMK-P3X
J11
CN502
CN503
CN504
CN505
MON
PLAY
V2
REC
PLAY
V1
REC
LD
DVD
AWZ
8721
8771
8808
8772
7365
7386
7381
7387
IC501
IC502
IC503
IC504
IC505
V+5V
7951 MUTE
7951 C2
7951 C1
2234 SW2
2234 SW1
4051 B
4051 A
4051 C
Y OSD
ADG
C OSD
V.MUTE
FRONT C
FRONT C
FRONT Y
ADG
C
V+12V
Y
ADG

Q510 IC505
Q509 Q512
Q508 Q511
Q507

Q514
Q515
IC503

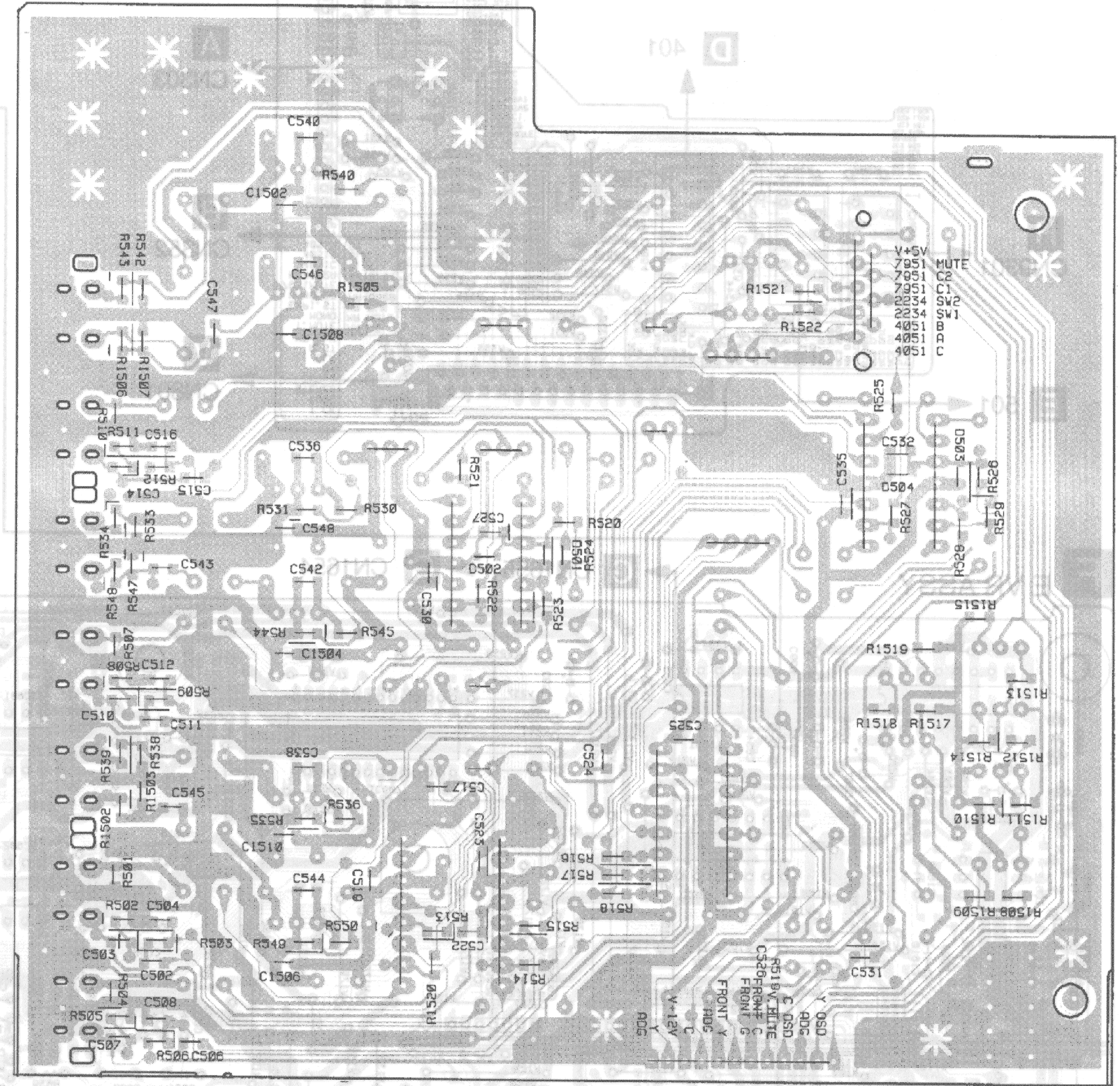
IC504 IC501
IC502

Q503 Q504
Q506 Q502
Q501 Q505

ANP7167-B

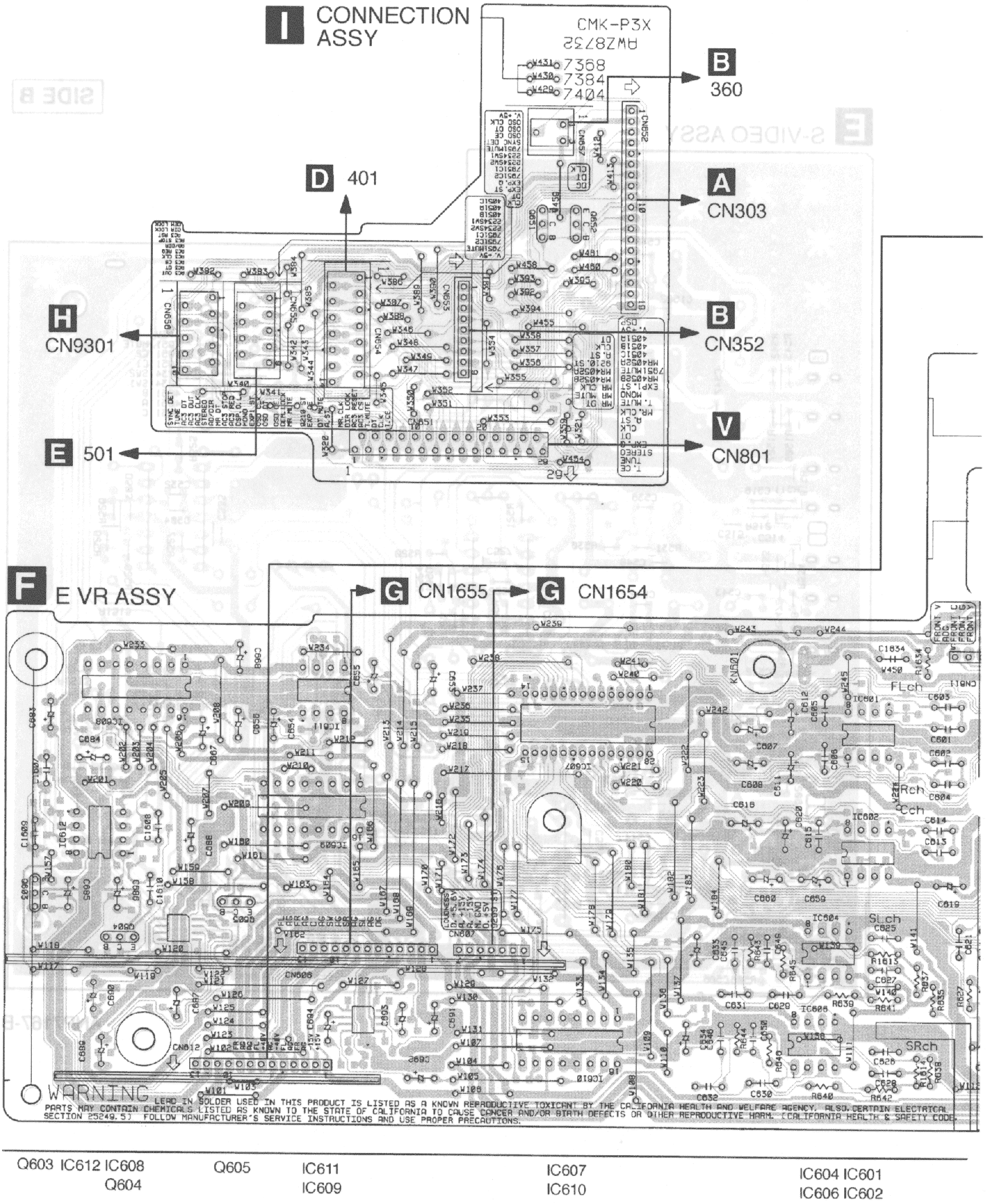
SIDE B

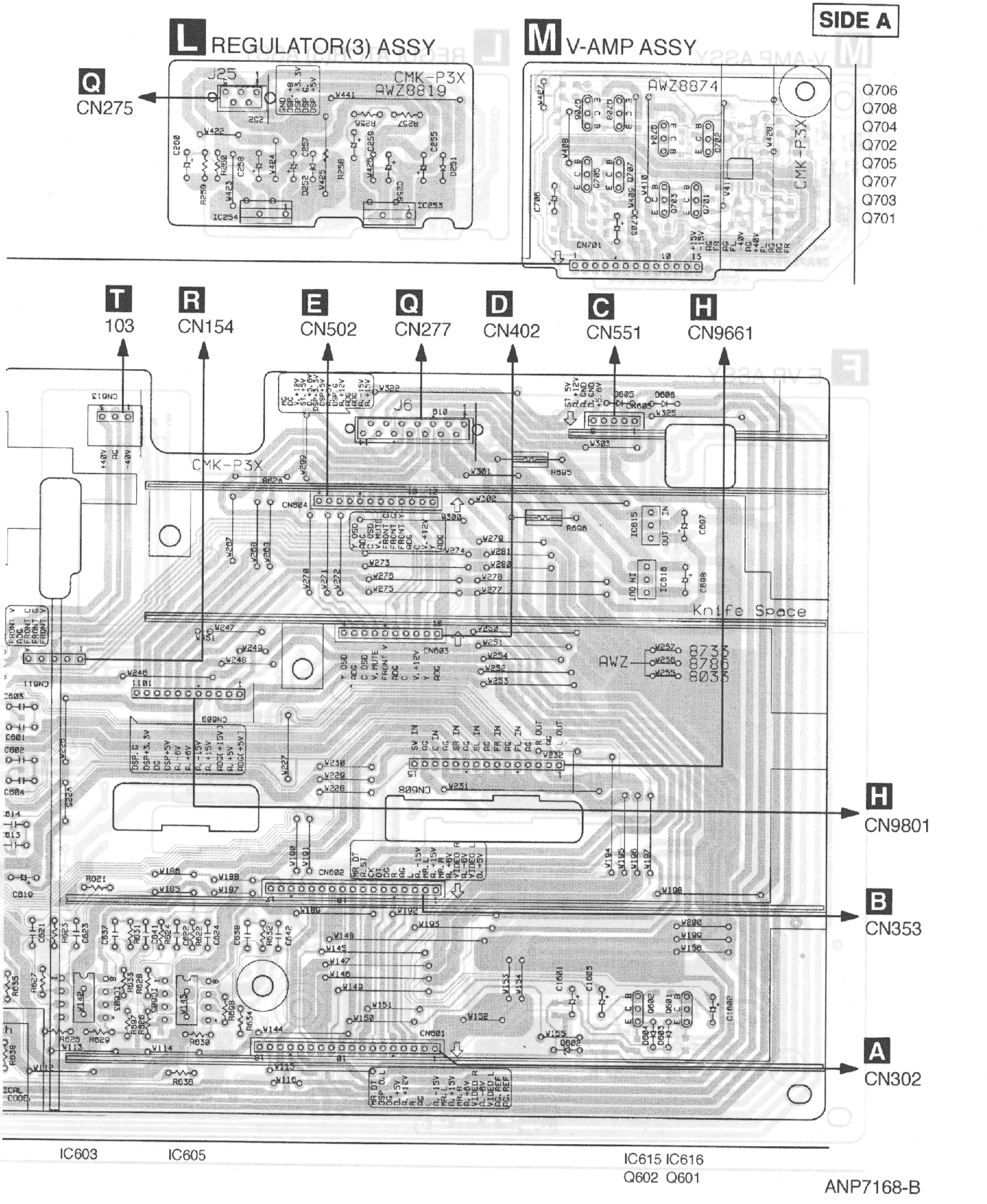
E S-VIDEO ASSY


C540
R540
C1502
C546
R1505
C547
C1508
R542
R543
R1507
R1506
R510
R511
C516
R512
C515
C514
C536
R531
R530
C548
R533
R534
C543
C542
R547
R548
R544
R545
C1504
R507
R508
C512
R509
C510
C511
C538
R539
R538
R1503
C545
R536
R535
C1510
R1502
R501
C544
C519
R502
C504
R503
R549
R550
C503
C502
R504
C1506
R505
C508
C507
R506
C506
R521
C527
R520
D501
R524
D502
R522
C530
R523
C517
C524
C525
C523
R513
R515
C522
R514
R1520
R516
R517
R518
V+5V
7951 MUTE
7951 C2
7951 C1
2234 SW2
2234 SW1
4051 B
4051 A
4051 C
R1521
R1522
R525
C532
D503
C535
D504
R526
R527
R529
R528
R1515
R1519
R1513
R1518
R1517
R1514
R1512
R1510
R1511
R1508
R1509
C531
ADG
V+12V
Y
C
ADG
FRONT Y
FRONT C
C520
R519
V MUTE
C
OSD
ADG
Y
OSD

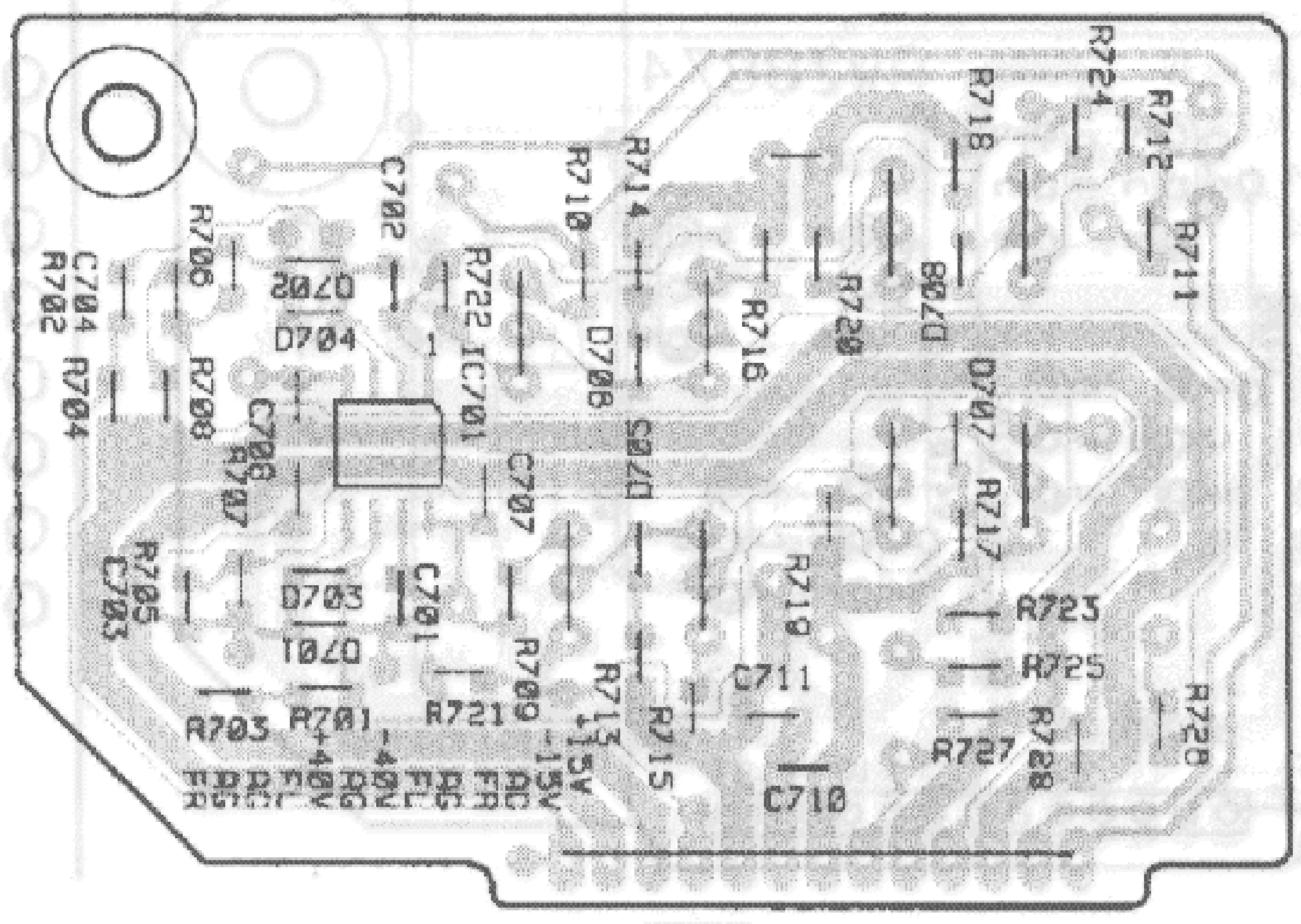
ANP7167-B

4.6 E VR ASSY, CONNECTION ASSY, REGULATOR(3) ASSY AND V-AMP ASSY

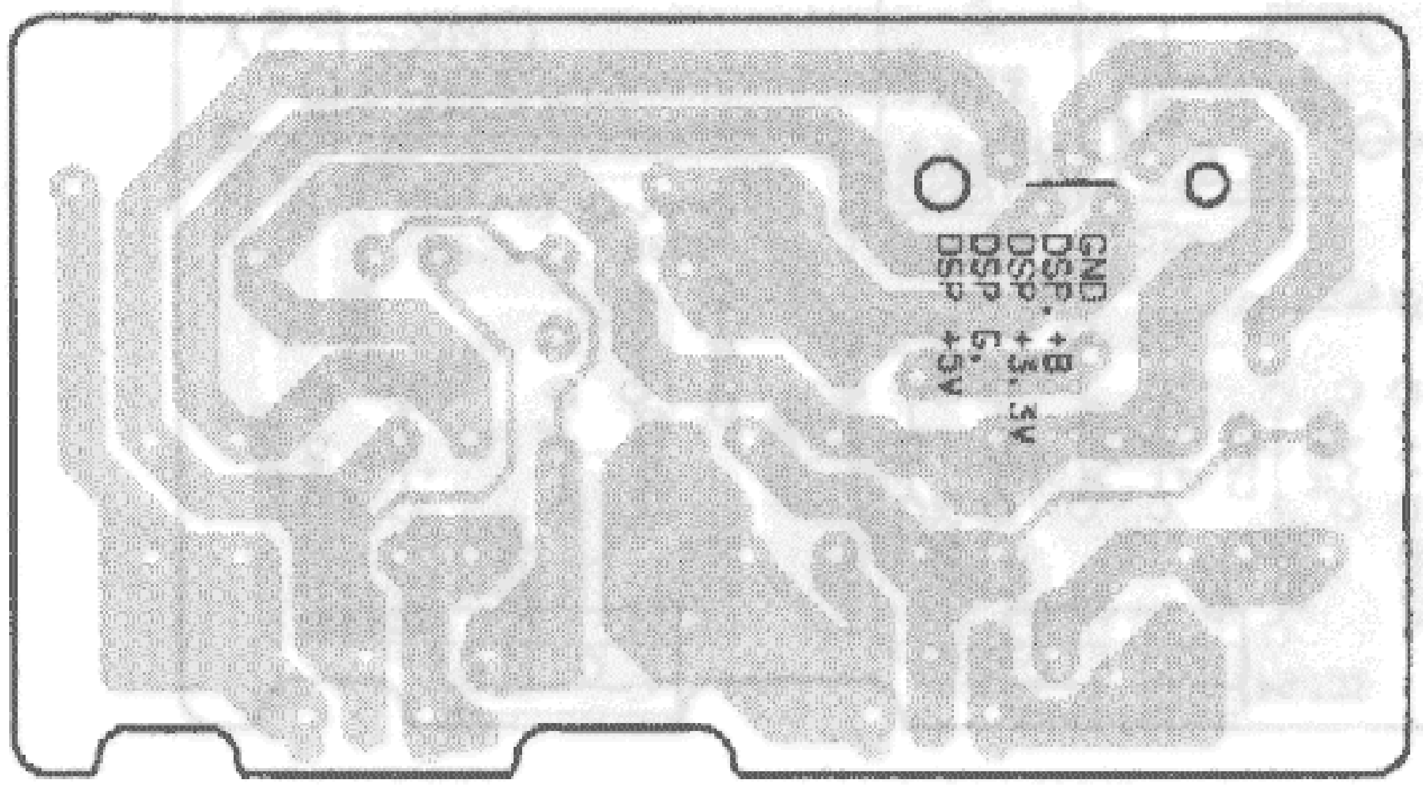

I CONNECTION ASSY
CMK-P3X
AWZ8732
7368
7384
7404
B 360
A CN303
D 401
H CN9301
B CN352
V CN801
E 501
CN652
CN651
CN653
CN654
CN650
F E VR ASSY
G CN1655
G CN1654
FLch
Rch
Cch
SLch
SRch
CN606
CN607
CN612
WARNING LEAD IN SOLDER USED IN THIS PRODUCT IS LISTED AS A KNOWN REPRODUCTIVE TOXICANT BY THE CALIFORNIA HEALTH AND WELFARE AGENCY. ALSO, CERTAIN ELECTRICAL PARTS MAY CONTAIN CHEMICALS LISTED AS KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER AND/OR BIRTH DEFECTS OR OTHER REPRODUCTIVE HARM. (CALIFORNIA HEALTH & SAFETY CODE, SECTION 25249.5) FOLLOW MANUFACTURER'S SERVICE INSTRUCTIONS AND USE PROPER PRECAUTIONS.
Q603 IC612 IC608
Q604
Q605
IC611
IC609
IC607
IC610
IC604 IC601
IC606 IC602


SIDE A
L REGULATOR(3) ASSY
M V-AMP ASSY
Q CN275
J25
CMK-P3X
AWZ8819
IC254
IC253
AWZ8874
CN701
Q706
Q708
Q704
Q702
Q705
Q707
Q703
Q701
T 103
R CN154
E CN502
Q CN277
D CN402
C CN551
H CN9661
CN613
J6
CN604
CN603
CN611
CN609
CN608
CN602
CN601
IC615
IC616
Knife Space
AWZ
8733
8780
8038
H CN9801
B CN353
A CN302
IC603
IC605
IC615 IC616
Q602 Q601
ANP7168-B

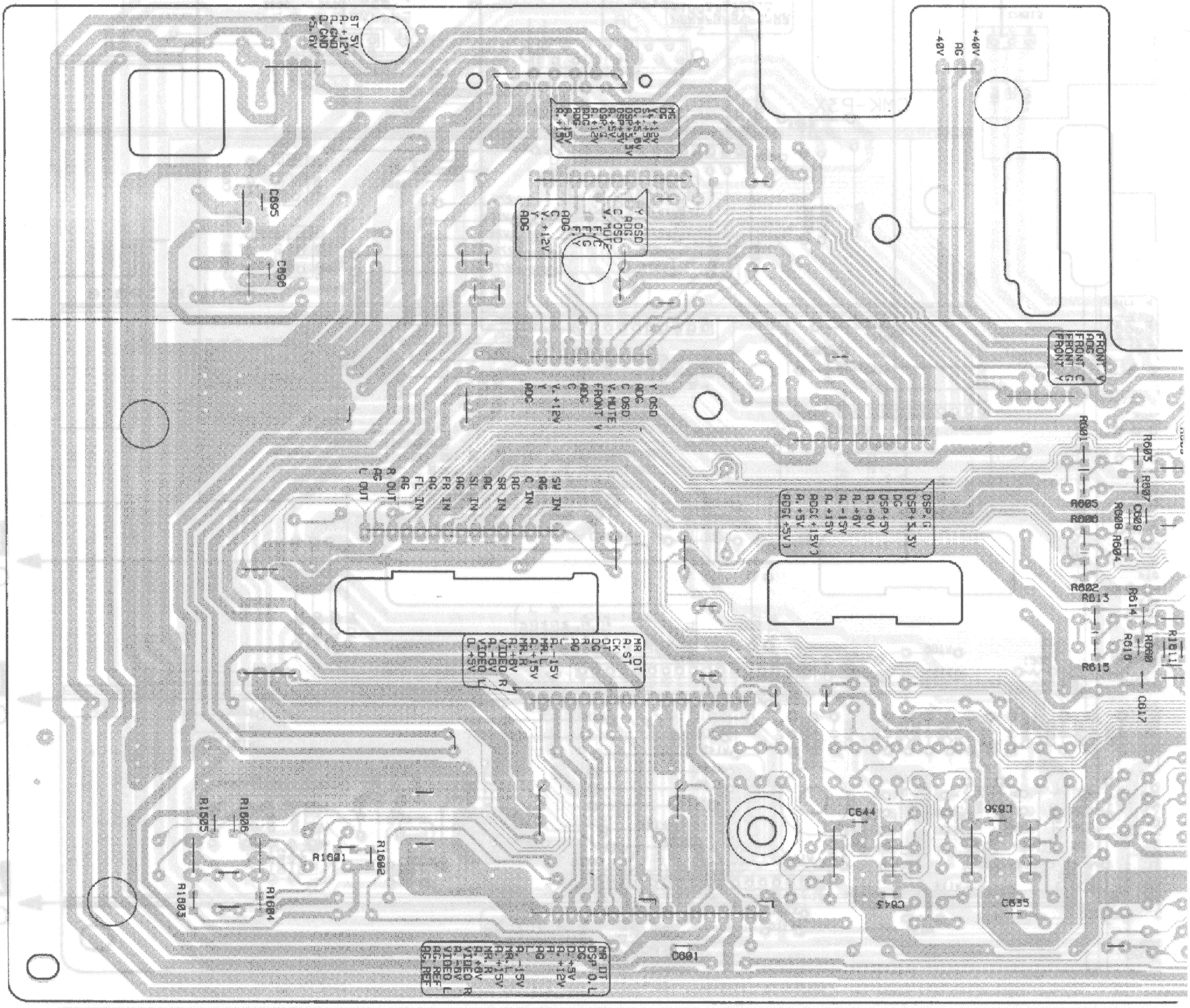
M V-AMP ASSY


R724
R712
R711
R718
R714
R710
C702
R722
IC701
R706
D702
D704
C704
R702
R704
R708
C708
R707
D708
D705
R716
R720
D709
D707
R717
C707
R705
C703
D703
D701
C701
R719
R723
R725
R726
R709
R713
C711
R715
R703
R701
R721
R727
R728
C710
+15V
-15V

L REGULATOR(3) ASSY

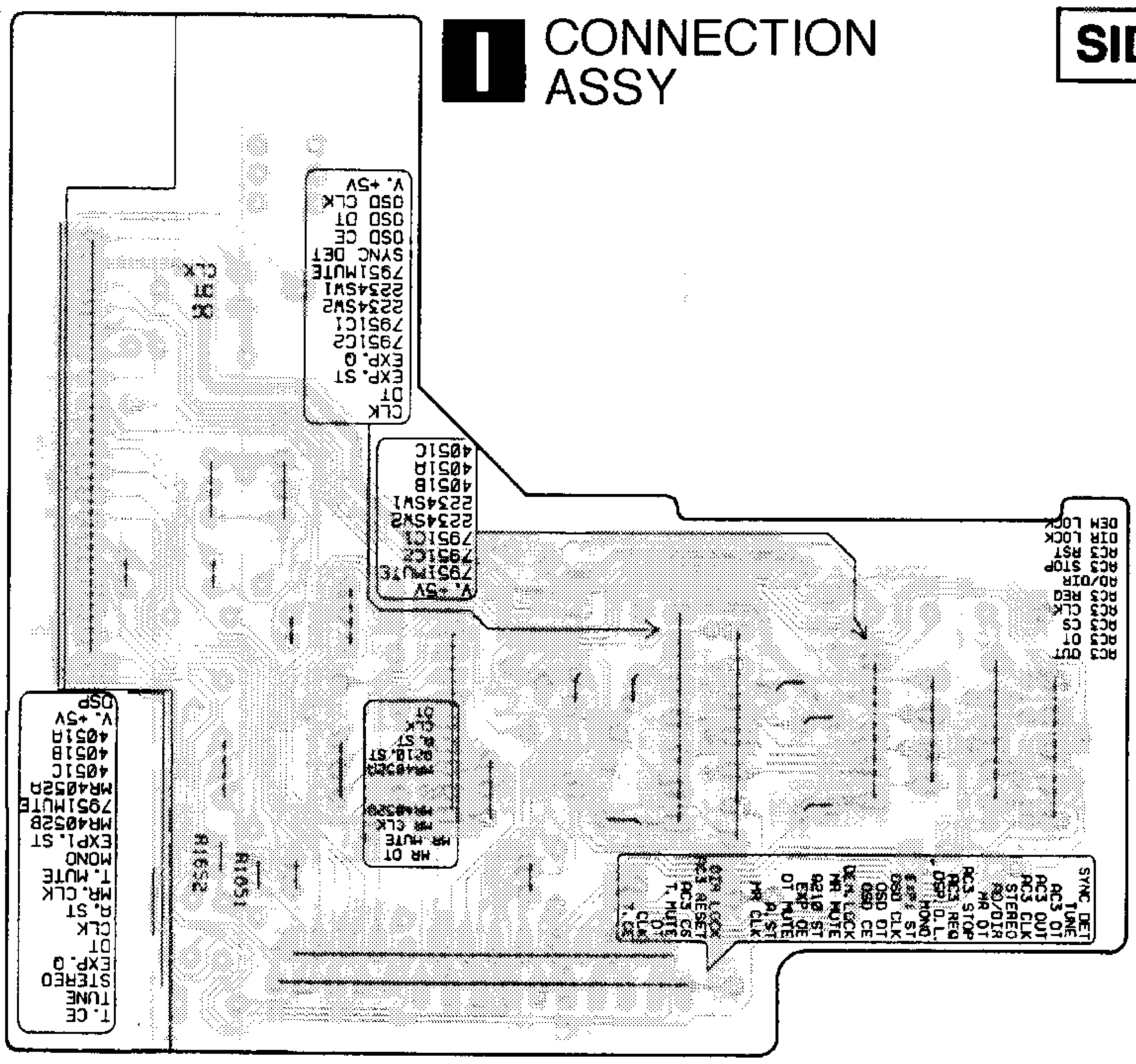

GND
DSP +B
DSP +3.3V
DSP G
DSP +5V

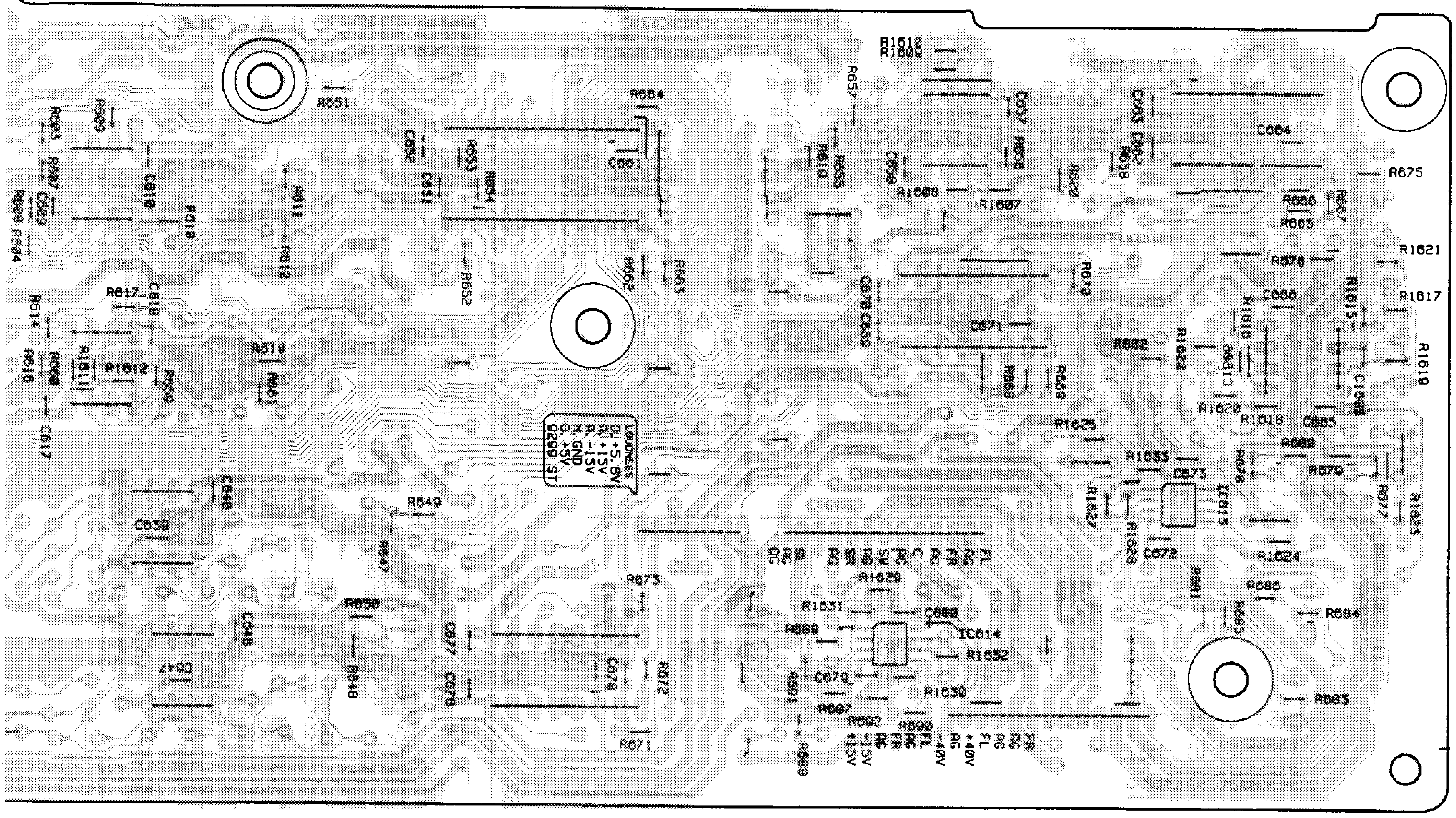
F E VR ASSY


ST 5V
A +12V
D GND
D GND
+5.6V
+40V
AG
-40V
C695
C696
Y OSD
ADG
C OSD
V MUTE
FRONT V
ADG
C
Y
V +12V
ADG
FRONT V
FRONT C
FRONT G
FRONT Y
SW IN
AG
C IN
AG
SR IN
AG
SL IN
AG
FR IN
AG
FL IN
AG
R OUT
AG
L OUT
DSP G
DSP +3.3V
DG
DSP +5V
A -6V
A +6V
A -15V
ADG +15V
A +5V
ADG +5V
MR DT
MR ST
CK
DT
DG
AG
A -15V
MR L
A +15V
MR R
A +6V
VIDEO R
A -6V
VIDEO L
D +5V
DSP D L
D +12V
R601
R603
R605
R606
R607
R608
R604
C609
R602
R613
R614
R610
R609
R611
R615
C617
C644
C643
C636
C635
C601
R1005
R1006
R1001
R1002
R1003
R1004

I CONNECTION ASSY

SIDE B


V.+5V
OSD CLK
OSD DT
OSD CE
SYNC DET
7951MUTE
2234SW1
2234SW2
7951C1
7951C2
EXP.Q
EXP.ST
DT
CLK
4051C
4051A
4051B
DSP
T.CE
TUNE
STEREO
MONO
T.MUTE
MR.CLK
R.ST
R1651
R1652

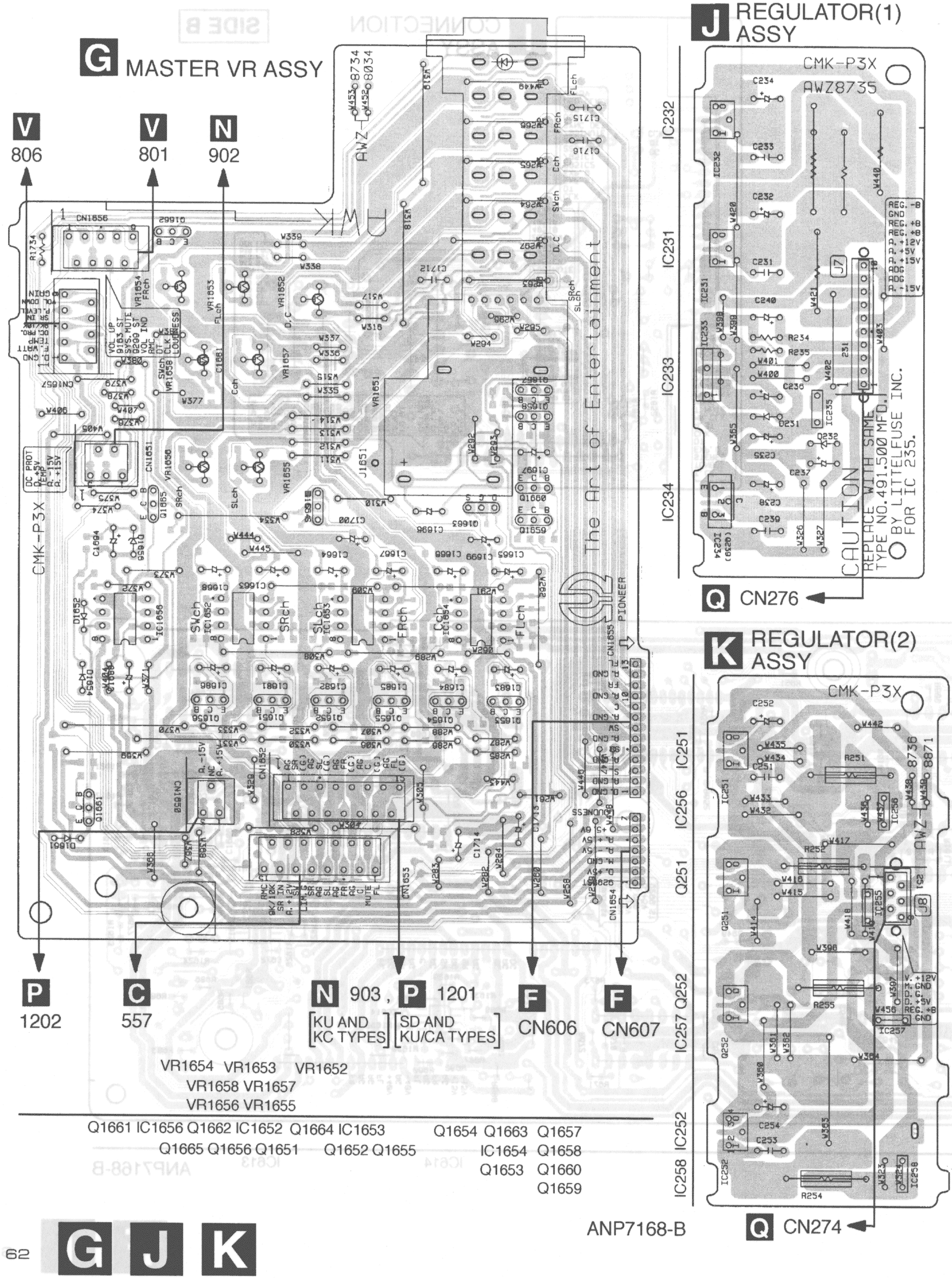

R651
R654
R603
R609
R607
R608
R604
C609
C610
R610
R611
R612
C652
C651
R653
R654
C661
R652
R662
R663
R617
C618
R614
R616
R600
R1611
R1612
R659
R619
R661
C617
C640
C639
R649
R647
C648
C647
R650
R646
C677
C676
C678
R673
R672
R671
R1610
R1609
R657
C657
R658
R619
R655
C659
R1608
R1607
R620
C603
C602
R638
C604
R675
R666
R665
R667
R1621
R670
R676
C666
R1615
R1617
C678
C669
C671
R680
R669
R682
R1622
R1616
R1618
C1608
R1620
R1619
C665
R1625
R1633
C673
R1627
R1628
R668
R679
R677
R1623
C672
R1624
R681
R686
R685
R684
R683
R1629
R1631
R689
C680
IC614
R1632
C679
R1630
R687
R692
R690
R688
+15V
-15V
+40V
FL
FR
FC
RG

IC614 IC613

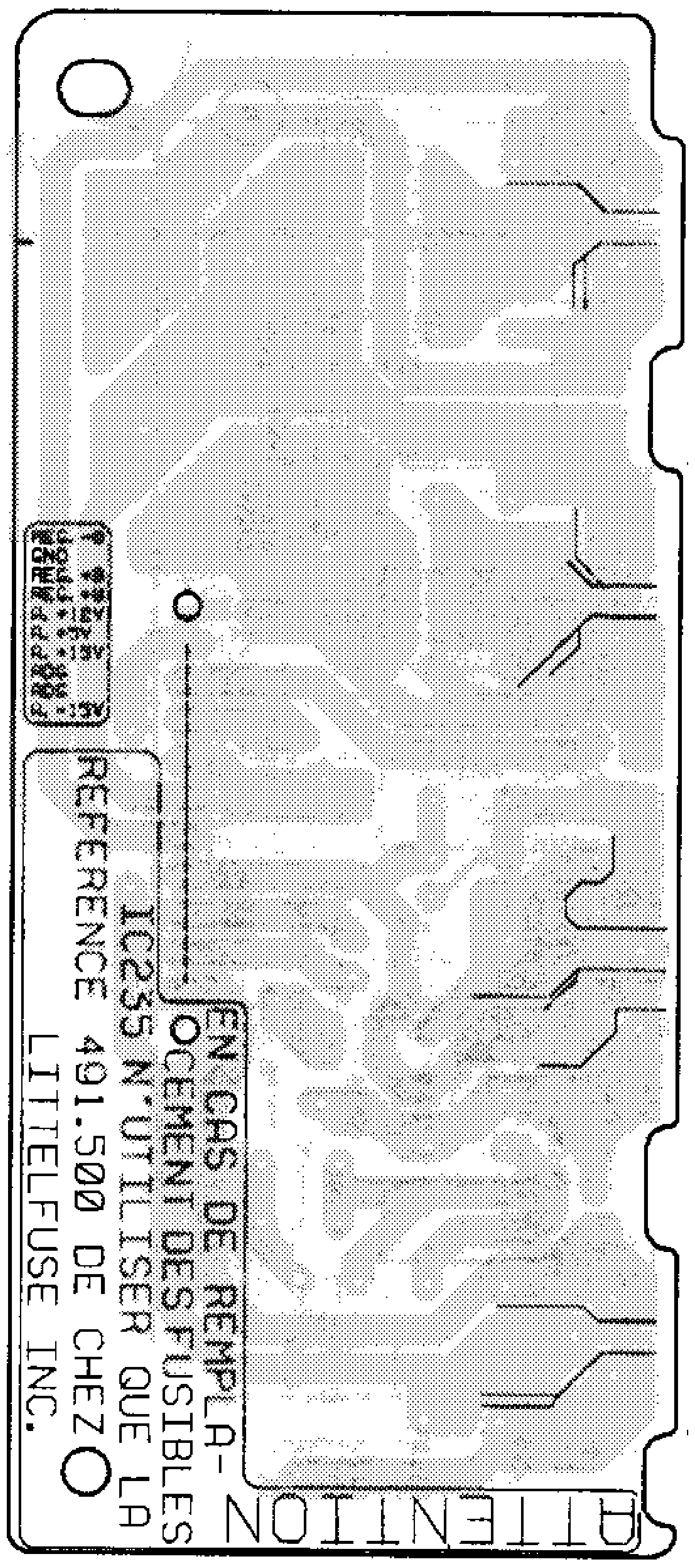
ANP7168-B

4.7 MASTER VR ASSY, REGULATOR(1) ASSY AND REGULATOR(2) ASSY

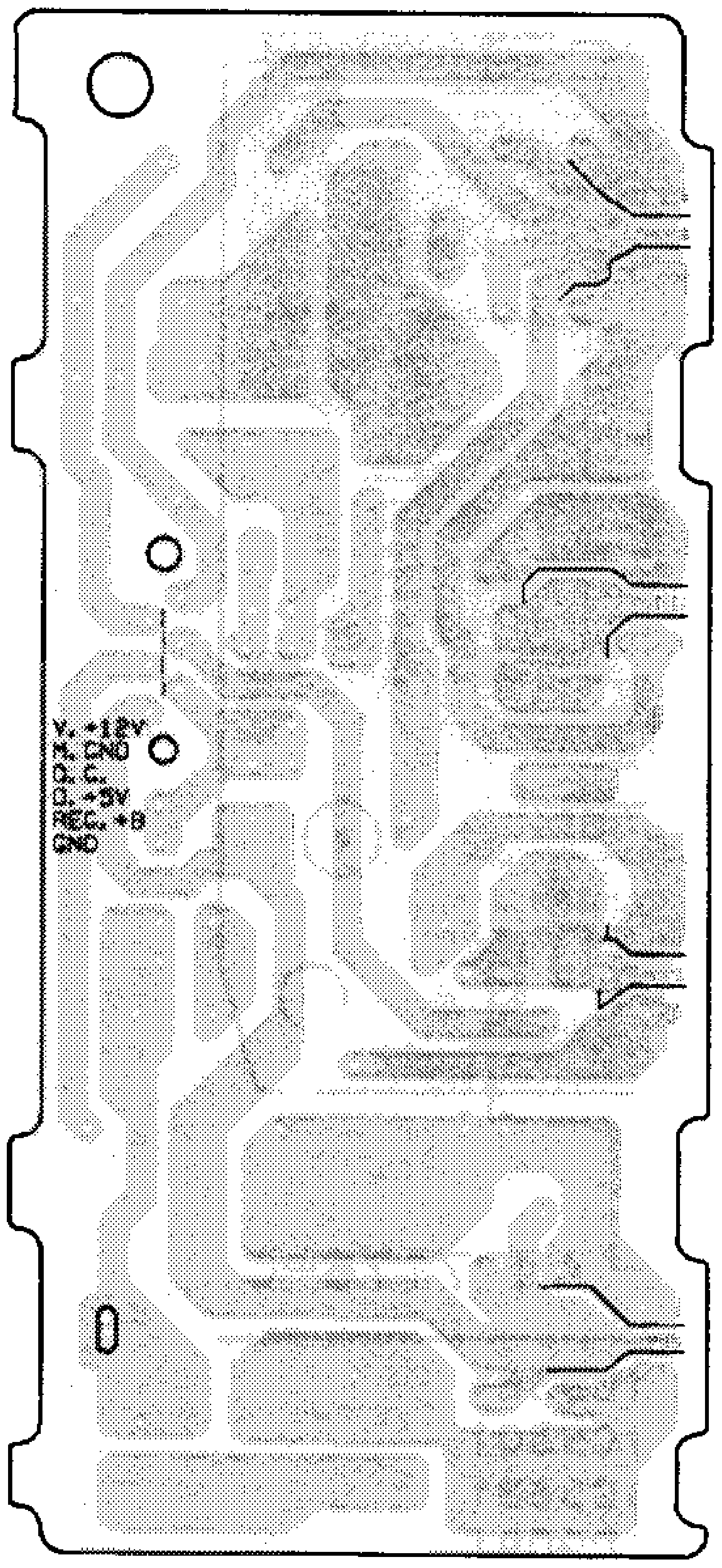
SIDE A


G MASTER VR ASSY
J REGULATOR(1) ASSY
K REGULATOR(2) ASSY
V 806
V 801
N 902
P 1202
C 557
N 903 , P 1201
[KU AND KC TYPES] [SD AND KU/CA TYPES]
F CN606
F CN607
Q CN276
Q CN274
CMK-P3X
AWZ8735
AWZ-8734
AWZ-8034
AWZ-8736
AWZ-8871
CAUTION
REPLACE WITH SAME TYPE NO.491.500 MFD. BY LITTELFUSE INC. FOR IC 235.
PIONEER
The Art of Entertainment
REG.-8
GND
REG.+8
REG.+8
P.+12V
P.+5V
P.+15V
ADG
ADG
A.-15V
V.+12V
M.GND
P.C.
P.+5V
REG.+8
GND
IC232
IC231
IC233
IC234
IC251
IC256
Q251
Q252
IC257
IC252
IC258
CN1656
CN1657
CN1651
CN1650
CN1652
CN1653
CN1654
CN1655
J1651
VR1654 VR1653 VR1652
VR1658 VR1657
VR1656 VR1655
Q1661 IC1656 Q1662 IC1652 Q1664 IC1653
Q1665 Q1656 Q1651 Q1652 Q1655
Q1654 Q1663 Q1657
IC1654 Q1658
Q1653 Q1660
Q1659
ANP7168-B

J REGULATOR(1) ASSY

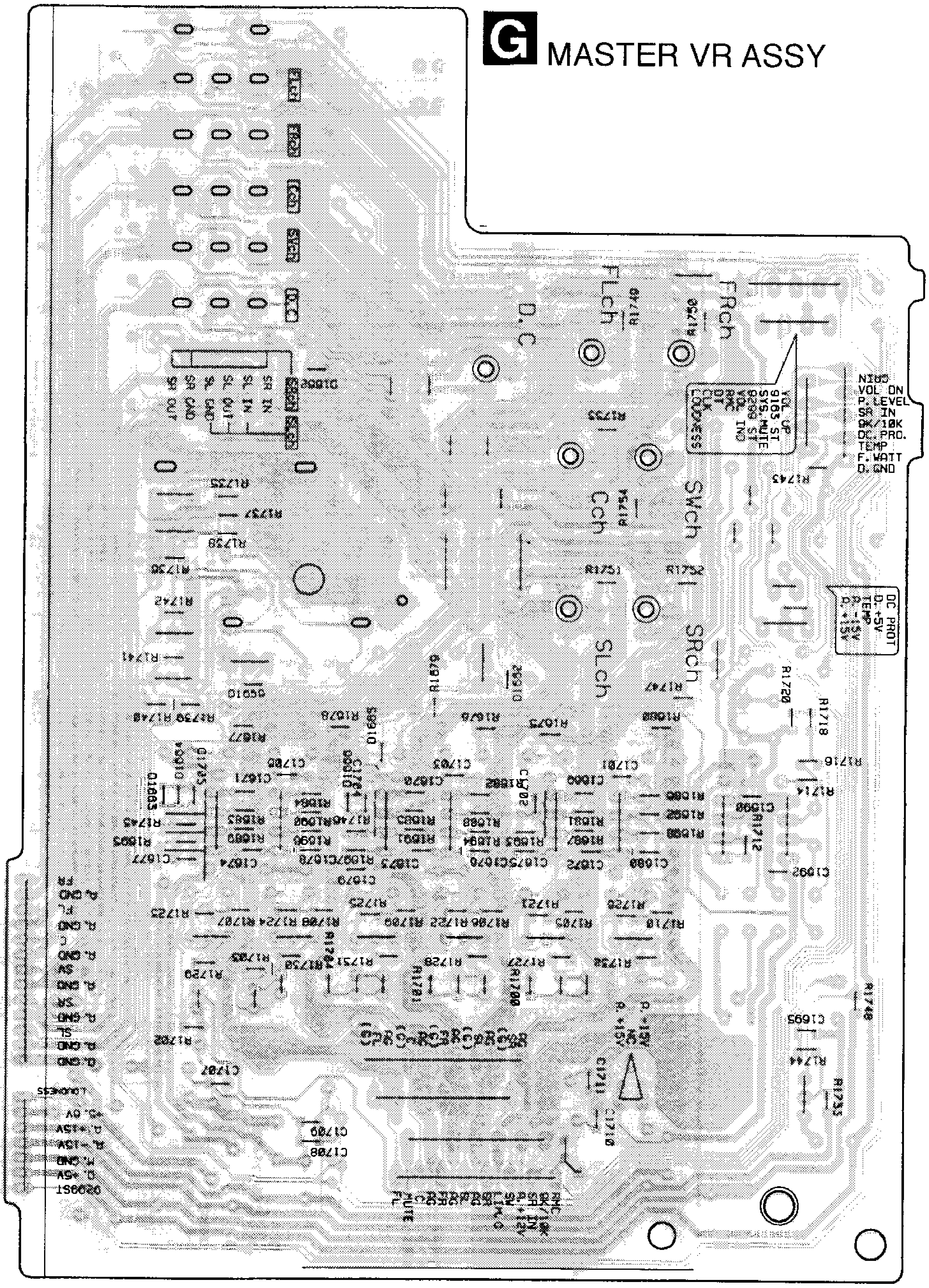

ATTENTION
EN CAS DE REMPLA-
CEMENT DES FUSIBLES
IC235 N'UTILISER QUE LA
REFERENCE 491.500 DE CHEZ
LITTELFUSE INC.

K REGULATOR(2) ASSY



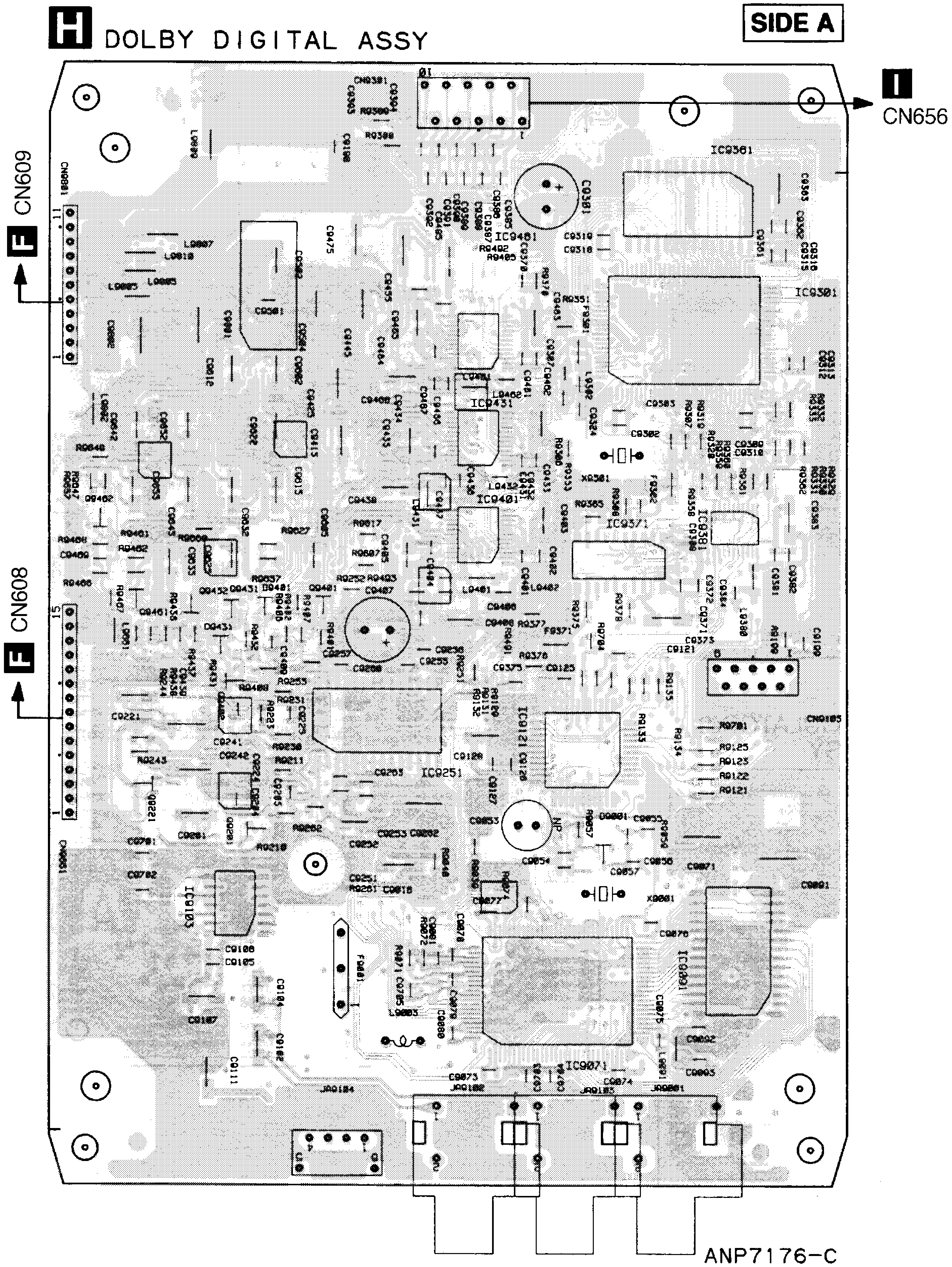
SIDE B

G MASTER VR ASSY


FLch
FRch
D.C
Cch
SWch
SLch
SRch

ANP7168-B

4.8 DOLBY DIGITAL ASSY


H
DOLBY DIGITAL ASSY
SIDE A
I
CN656
F
CN609
F
CN608
CN9381
CN9001
CN9105
IC9361
IC9301
IC9461
IC9431
IC9401
IC9371
IC9381
IC9121
IC9251
IC9103
IC9091
IC9071
X9301
X9001
JA9101
JA9102
JA9103
JA9104
ANP7176-C

Q9462
Q9461
Q9221
Q9432

Q9431
Q9402
Q9201
IC9103

Q9401
IC9251

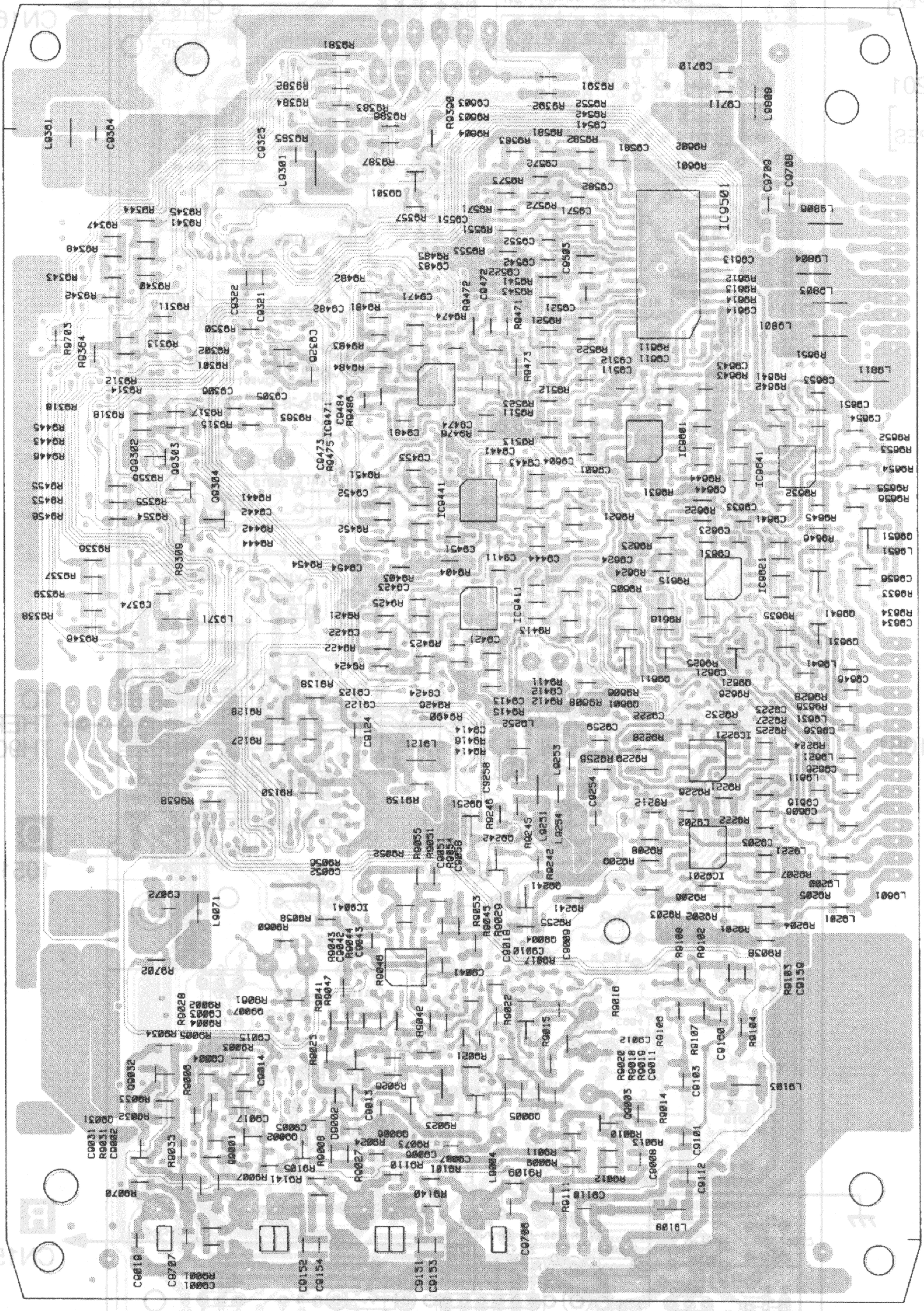
IC9461
IC9431
IC9401

IC9371
IC9121
IC9071

IC9361
IC9301
IC9381
IC9091

SIDE B

H DOLBY DIGITAL ASSY



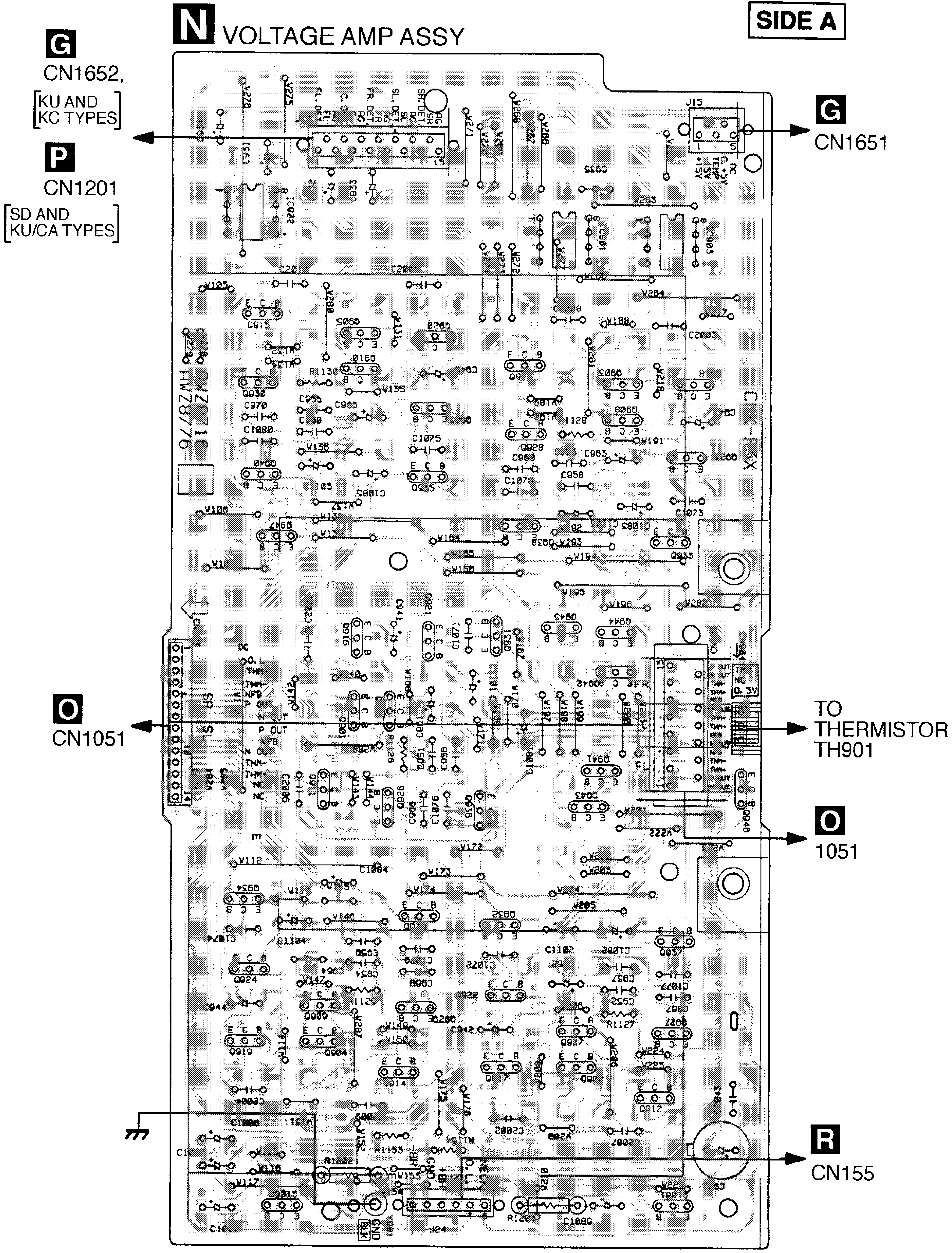
ANP7176-C

Q9302 Q9304
Q9303 Q9002
Q9032
Q9031

IC9471 IC9441
IC9041 IC9411
Q9006 Q9251
Q9301 Q9242
Q9005 Q9241
Q9004

IC9501 IC9621 IC9641
IC9601 Q9621 Q9651
Q9601 IC9221 Q9641
Q9611 IC9201 Q9631
Q9003

4.9 VOLTAGE AMP ASSY

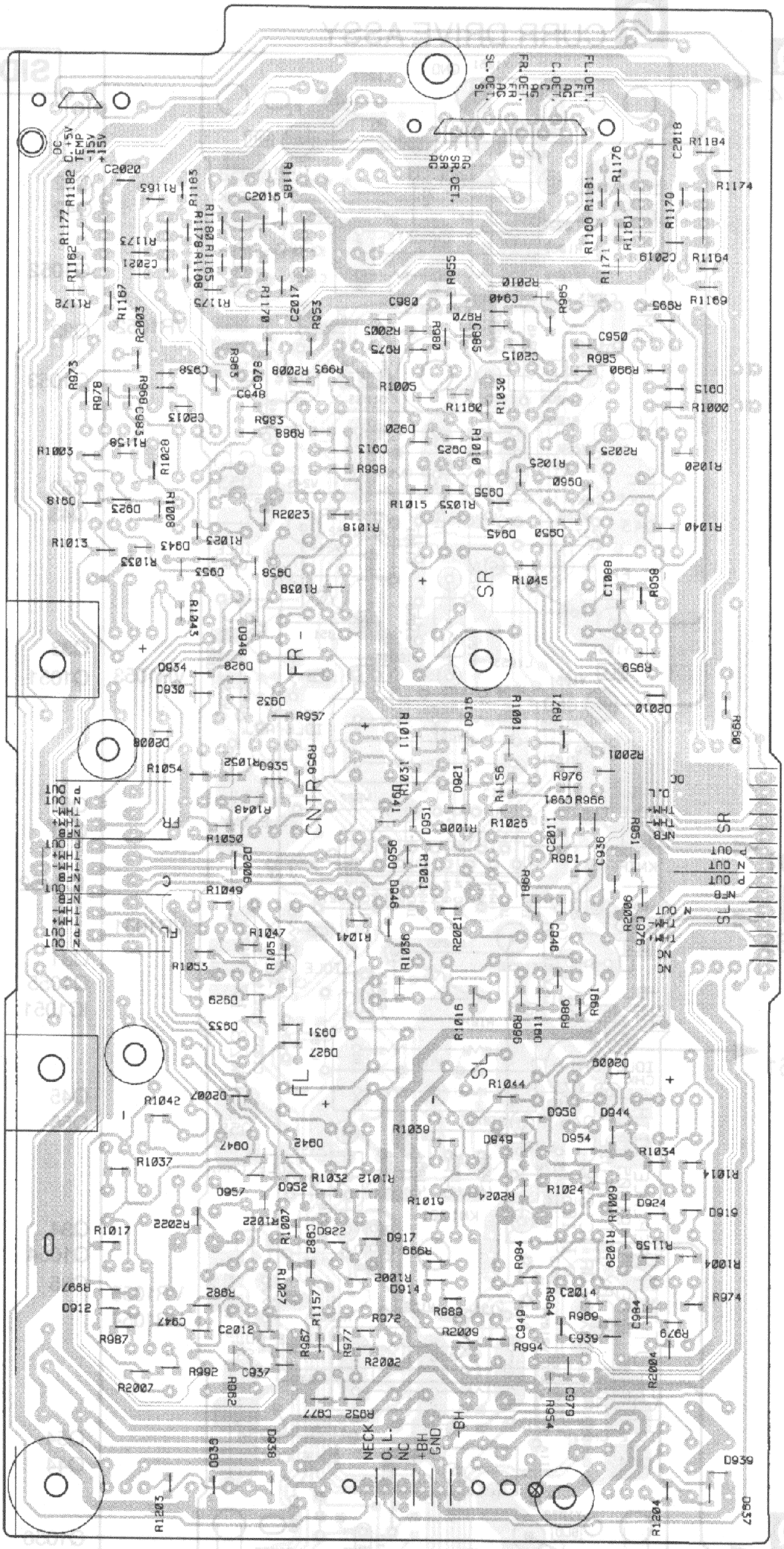

N
VOLTAGE AMP ASSY
SIDE A
G
CN1652,
KU AND KC TYPES
P
CN1201
SD AND KU/CA TYPES
G
CN1651
O
CN1051
TO THERMISTOR TH901
O
1051
R
CN155
J14
J15
J24
CMK-P3X
AWZ8776-
IC901
IC902
IC903
R1201
R1202
GND BLK

IC902	Q915	Q911	Q905	Q920	Q931	Q913	IC901	Q903	IC903	Q946
Q934	Q930	Q909	Q910	Q925	Q936	Q928	Q945	Q908	Q918	
Q924	Q940	Q904	Q916	Q935	Q932	Q938	Q907	Q944	Q923	
Q919	Q947		Q901	Q921	Q922		Q902	Q942	Q933	
	Q1062		Q906	Q939	Q917			Q941	Q937	
			Q926	Q929				Q943	Q927	
			Q914					Q912	Q1061	

ANP7171-B

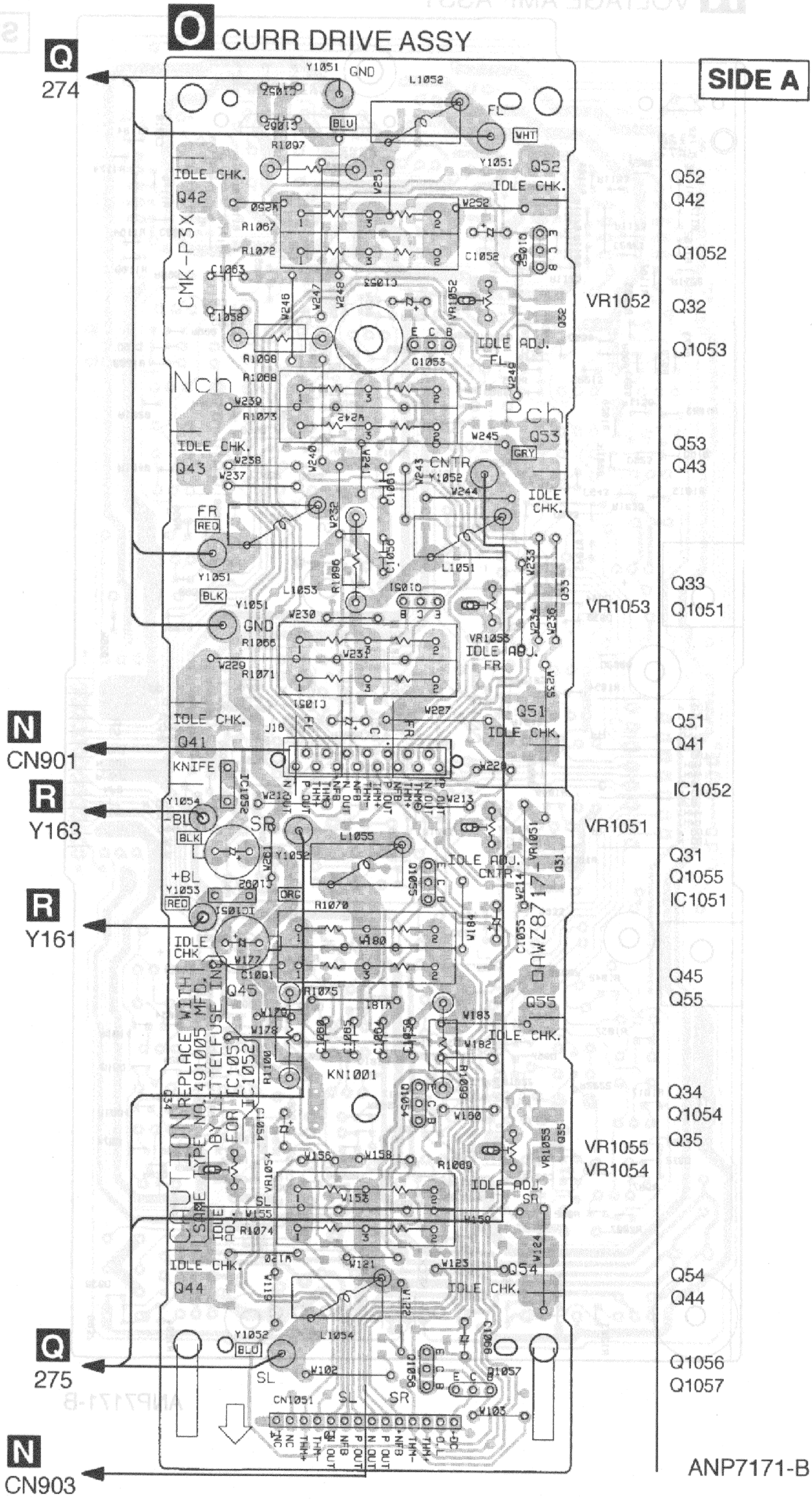
N VOLTAGE AMP ASSY

SIDE B


DC
C.+5V
TEMP
-15V
+15V
FL.DET.
FL
AG
C.DET.
C
AG
FR.DET.
FR
AG
SL
SL.DET.
AG
SR.DET.
SR
AG
C2020
R1182
R1177
R1183
R1163
R1185
C2016
R1180
R1165
R1178
R1108
R1173
C2021
R1167
R1176
R1175
R1170
C2017
R953
R2003
R973
R978
R966
C985
R963
C978
C648
R2008
R995
R1184
C2018
R1174
R1176
R1181
R1100
R1161
R1171
R1170
C2019
R1164
R1169
R955
R2010
C980
C940
R965
R870
C985
R2005
R975
R980
C950
C2015
R985
R990
R1005
R1150
R1030
R1000
R983
R988
D920
R1010
R1003
R1158
R1028
R998
C250
R1025
R2025
R1020
D950
R1008
R2023
R1015
R1023
R1018
D955
D945
D920
R1040
R1013
D943
R1025
R1033
R1043
R1038
R1045
C1009
R958
SR
FR-
D948
D934
D930
R957
R959
R956
D918
R1001
R974
R2001
R1011
R1031
R1054
R1052
D935
R1041
D921
R1156
R976
R966
FR
CNTR
R1048
D951
R1006
R1025
C2011
C936
R981
R951
DC
O.L
THM+
THM-
NFB
SR
P OUT
N OUT
P OUT
N OUT
THM-
THM+
NFB
N OUT
P OUT
THM+
THM-
NFB
N OUT
R1050
D2006
D956
R1021
R2006
C970
NC
NC
R1049
D946
R1047
R1051
R1041
R1036
R2021
C940
R1053
R1016
R986
R991
D927
D925
D931
D927
FL
SL
R1044
D2020
R1042
D950
D944
R1039
D949
D954
R1034
R1037
D947
D942
R1032
R1012
R1014
R1019
R1024
R2024
D957
D952
R1009
D924
D919
R1017
R2022
R1007
D922
D917
R1159
R1004
R997
R1027
R2002
D914
R984
C2014
R974
D912
C947
R1157
R972
R988
R964
R989
C984
C2012
C949
R979
R987
R967
R977
R2009
C939
R2002
R994
R992
C937
R962
R2004
R2007
C979
C977
R952
R954
NECK
O.L.
NC
+BH
GND
BH
D939
D938
D939
D937
R1203
R1204

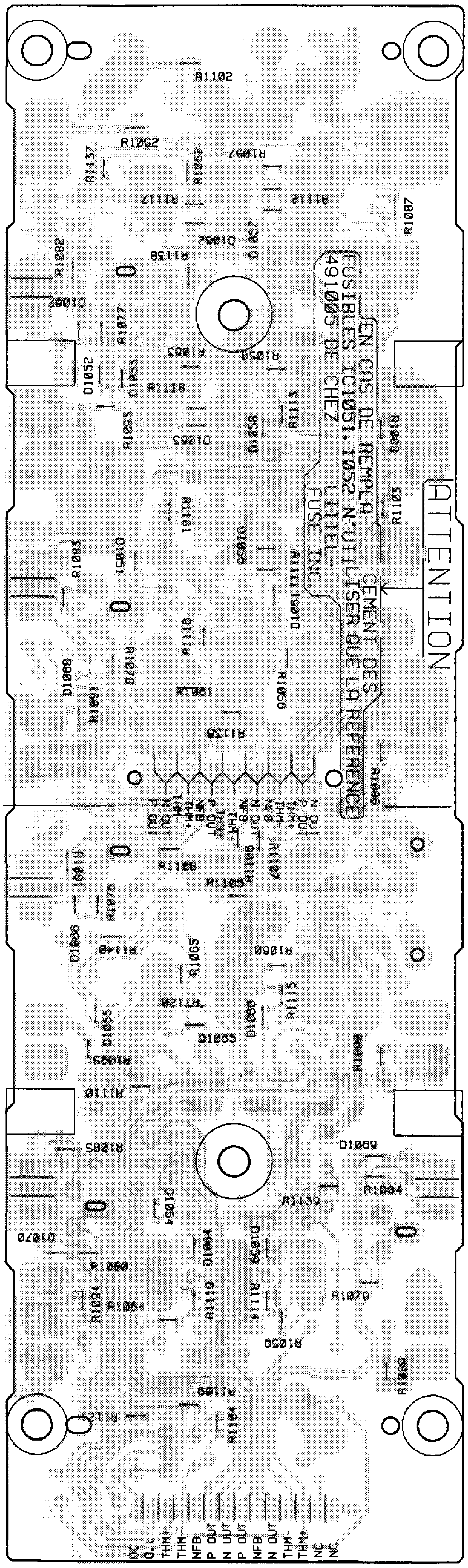
ANP7171-B

4.10 CURR DRIVE ASSY


O CURR DRIVE ASSY
SIDE A
Q
274
N
CN901
R
Y163
R
Y161
Q
275
N
CN903
Q52
Q42
Q1052
VR1052
Q32
Q1053
Q53
Q43
Q33
VR1053
Q1051
Q51
Q41
IC1052
VR1051
Q31
Q1055
IC1051
Q45
Q55
Q34
Q1054
VR1055
Q35
VR1054
Q54
Q44
Q1056
Q1057
ANP7171-B
Y1051 GND
L1052
FL
BLU
WHT
R1097
IDLE CHK.
Q42
CMK-P3X
Nch
Pch
IDLE ADJ. FL
Q53
CNTR
Y1052
GRY
FR
RED
Y1051
BLK
L1053
L1051
GND
VR1053
IDLE ADJ. FR
Q51
IDLE CHK.
Q41
J10
KNIFE
Y1054
-BL
BLK
SR
L1055
+BL
Y1053
RED
ORG
IDLE ADJ. CNTR
Q45
Q55
KN1001
CAUTION REPLACE WITH SAME TYPE NO.491005 MFD. BY LITTELFUSE INC FOR IC1051 IC1052
IDLE ADJ. SR
IDLE ADJ. SL
Q54
Q44
Y1052
BLU
L1054
SL
SR
CN1051
Q1057

O CURR DRIVE ASSY

SIDE B

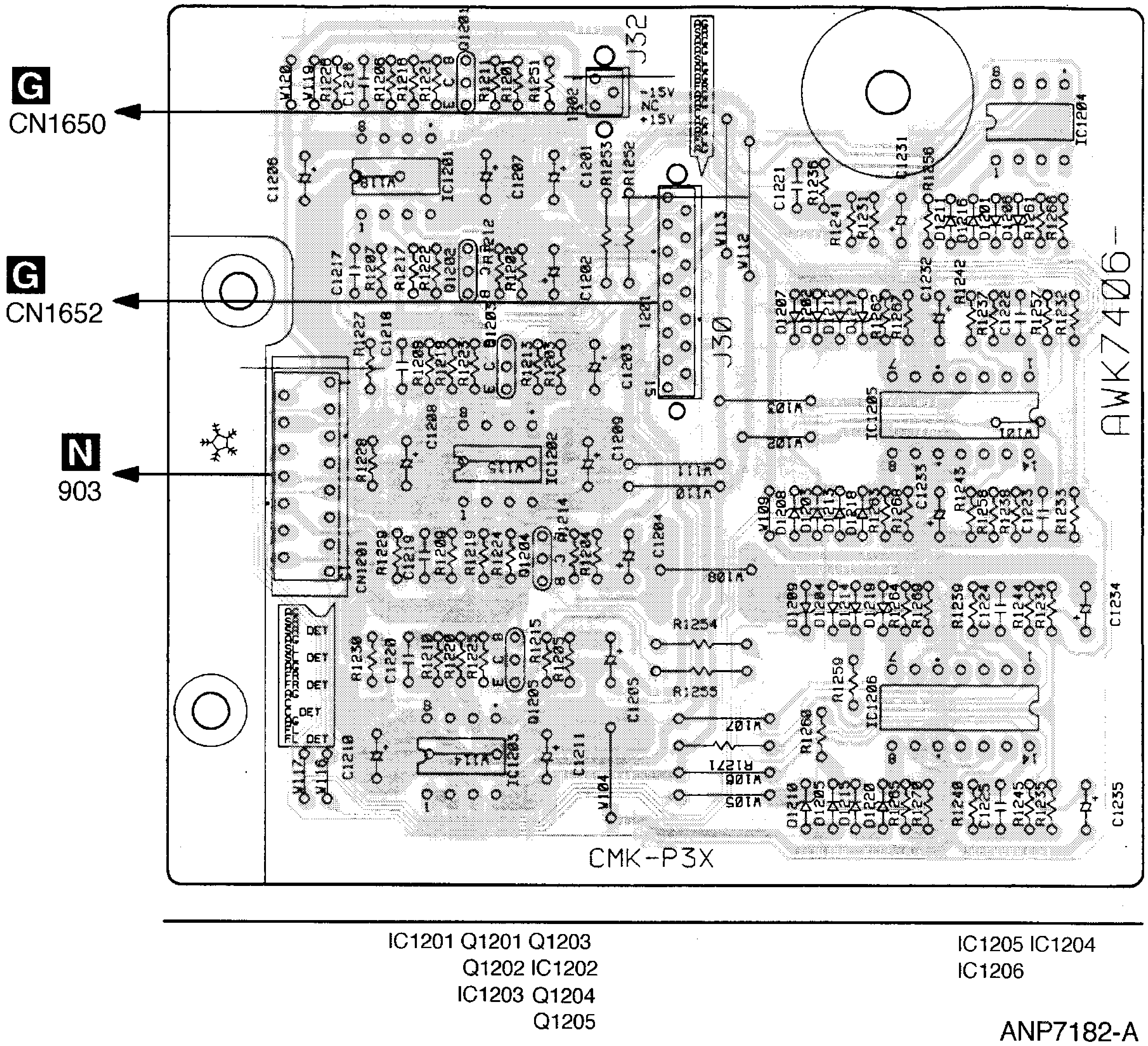

R1102
R1002
R1137
R1062
R1057
R1117
R1112
R1087
R1082
D1062
D1057
R1158
D1067
R1077
R1003
R1058
D1052
D1053
R1118
R1113
R1093
D1063
D1058
R1088
R1105
R1101
D1051
D1056
R1083
R1111
D1061
R1116
R1078
D1068
R1001
R1056
R1091
R1136
R1006
ATTENTION
EN CAS DE REMPLACEMENT DES FUSIBLES IC1051, 1052 N'UTILISER QUE LA REFERENCE 491005 DE CHEZ LITTEL-FUSE INC.
N OUT
P OUT
THM+
THM-
NFB
R1106
R1107
R1108
R1105
R1081
R1076
D1066
R1140
R1065
R1060
R1120
D1060
R1115
D1055
D1065
R1005
R1080
R1110
R1085
D1069
R1004
R1139
D1054
D1070
D1064
D1059
R1000
R1094
R1084
R1119
R1114
R1079
R1059
R1099
R1109
R1121
R1104
OC
O.L
THM+
THM-
NFB
P OUT
P OUT
P OUT
NFB
N OUT
THM-
THM+
NC
NC

ANP7171-B

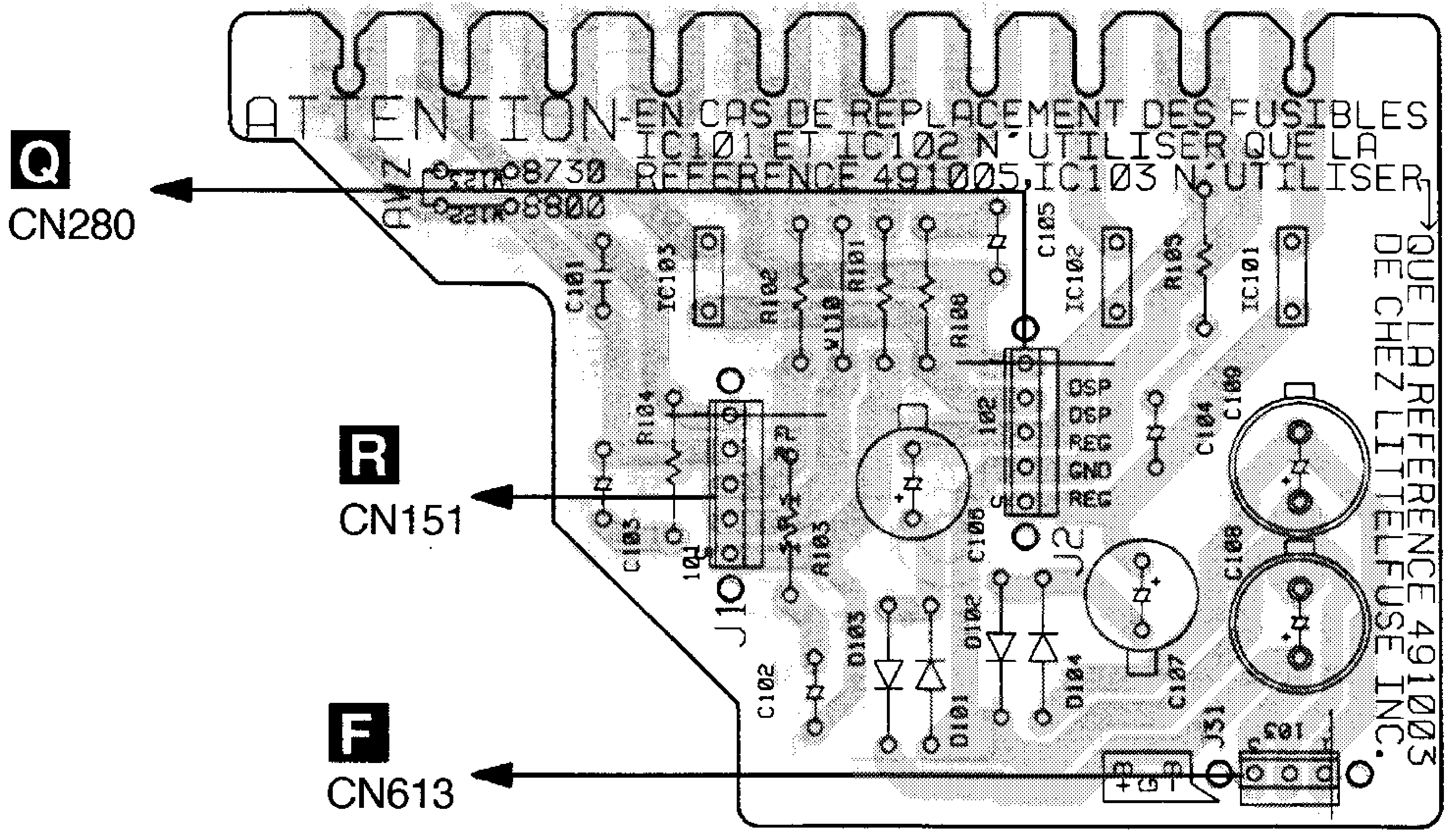
4.11 LIMITTER ASSY AND TRANS TERMINAL ASSY

SIDE A

P LIMITTER ASSY


G
CN1650
G
CN1652
N
903
J32
J30
AWK7406-
CMK-P3X
IC1201 Q1201 Q1203
Q1202 IC1202
IC1203 Q1204
Q1205
IC1205 IC1204
IC1206
ANP7182-A

T TRANS TERMINAL ASSY

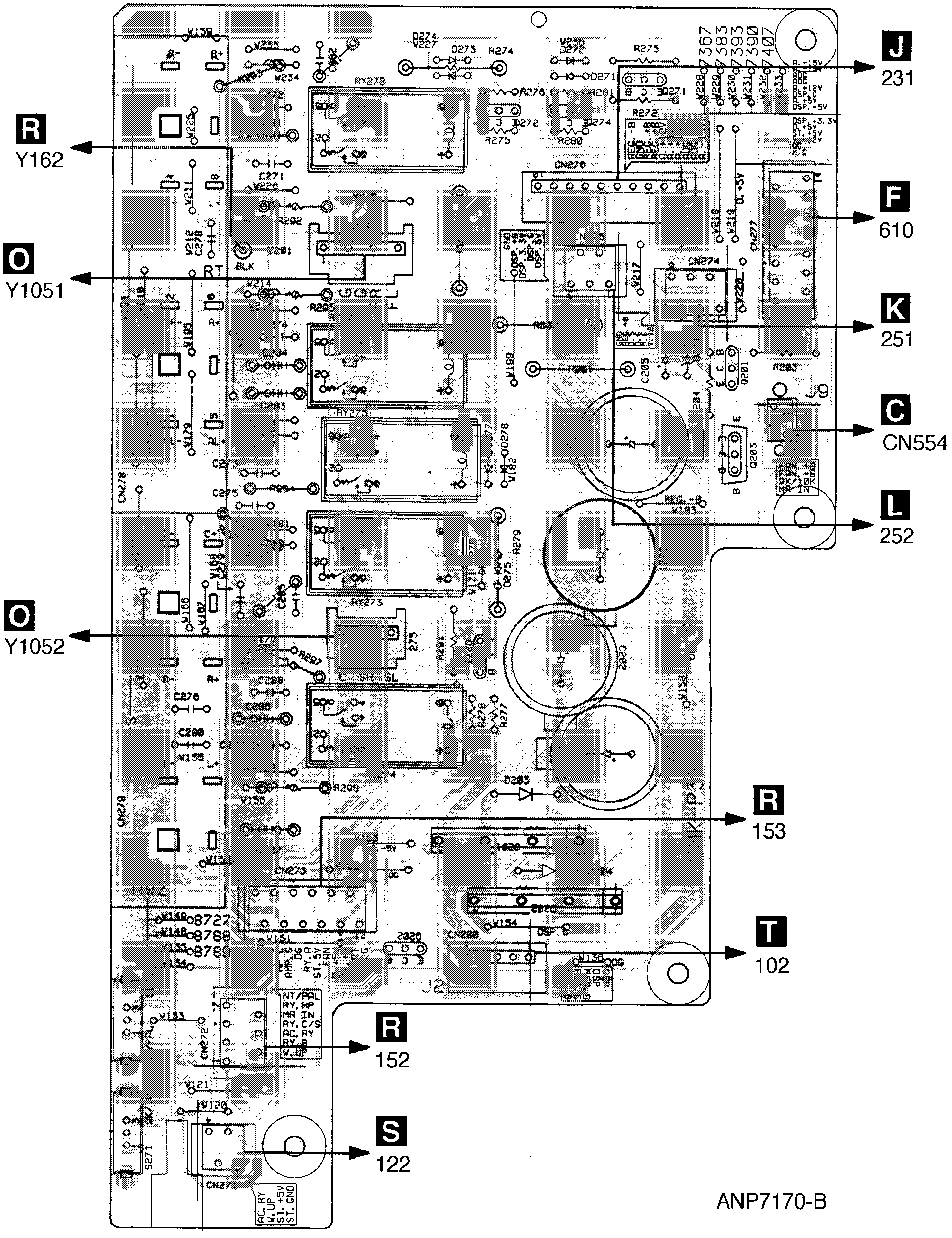

ATTENTION-EN CAS DE REPLACEMENT DES FUSIBLES
IC101 ET IC102 N'UTILISER QUE LA
REFERENCE 491005,IC103 N'UTILISER
QUE LA REFERENCE 491003
DE CHEZ LITTELFUSE INC.
Q
CN280
R
CN151
F
CN613
J10
J2
J31
IC101
IC102
IC103
DSP
DSP
REG
GND
REG

ANP7170-B

4.12 SP TERMINAL ASSY

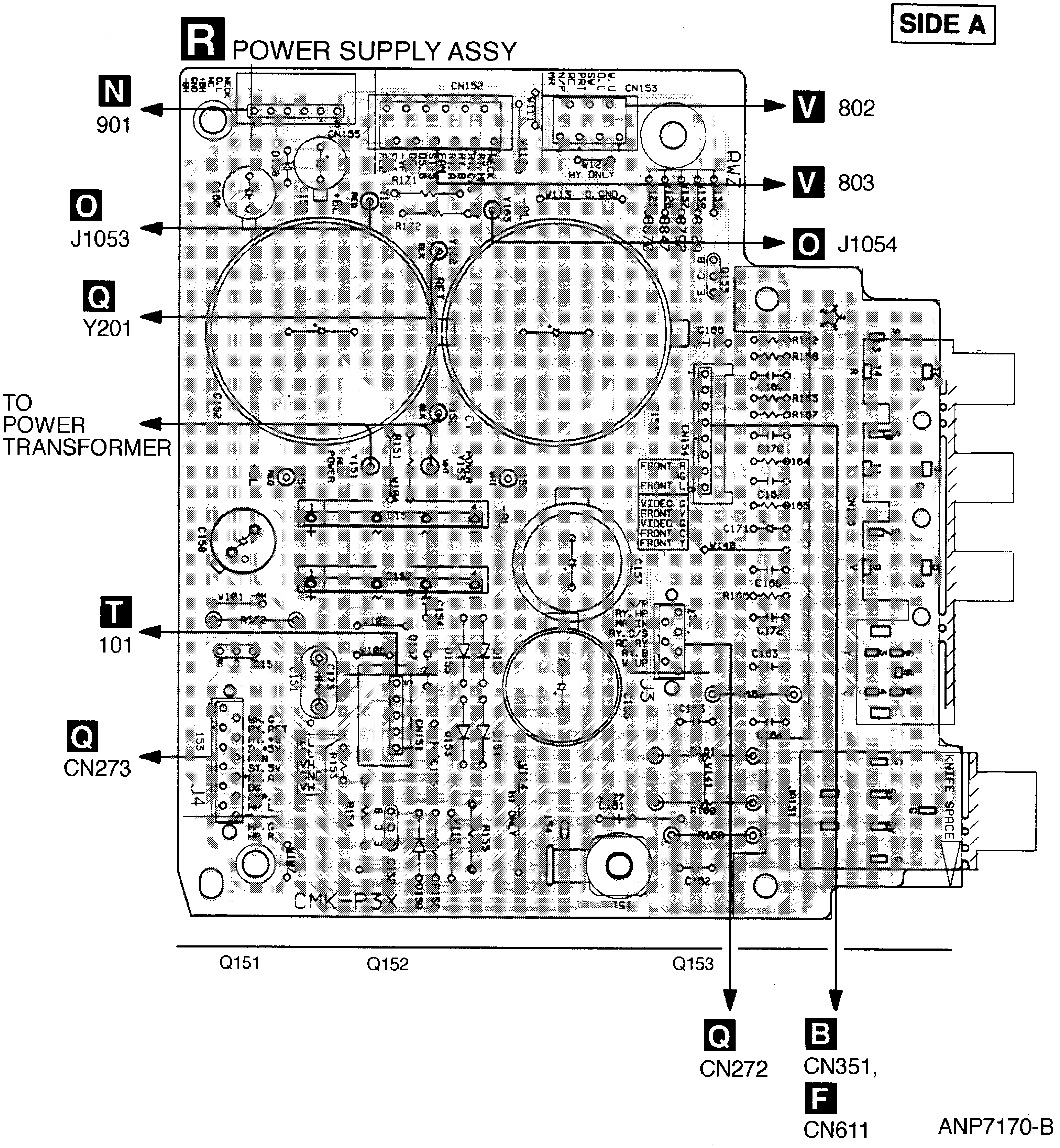
Q SP TERMINAL ASSY

SIDE A


R
Y162
O
Y1051
O
Y1052
J
231
F
610
K
251
C
CN554
L
252
R
153
T
102
R
152
S
122
CMK-P3X
ANP7170-B

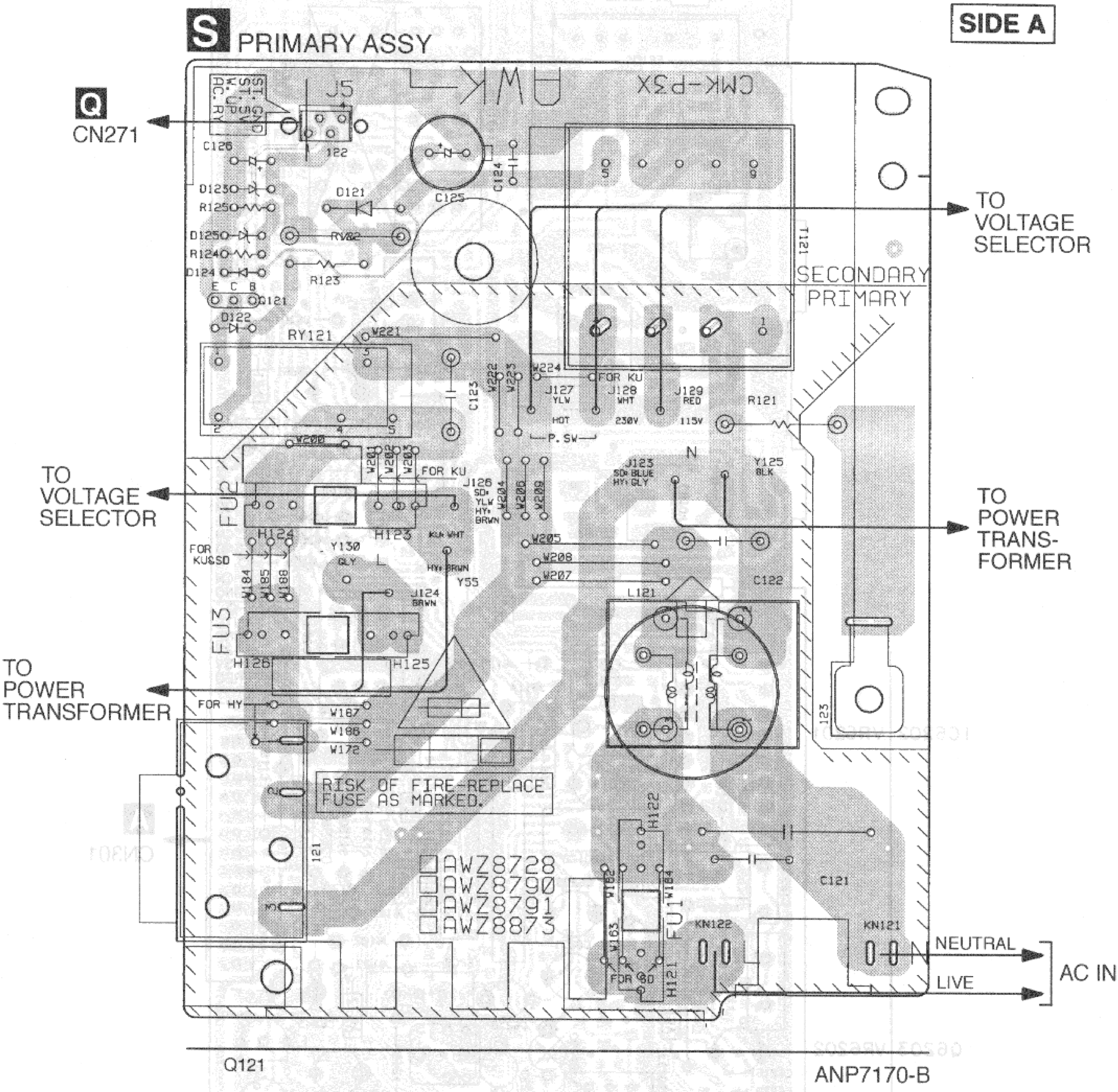
Q202 Q272 Q273 Q274 Q271 Q201 Q203

4.13 POWER SUPPLY ASSY


SIDE A
R POWER SUPPLY ASSY
N 901
O J1053
Q Y201
TO POWER TRANSFORMER
T 101
Q CN273
V 802
V 803
O J1054
Q151
Q152
Q153
Q CN272
B CN351,
F CN611
CN152
CN153
CN155
CN154
CN156
CN151
C152
C153
C157
C156
D151
D152
J3
J4
CMK-P3X
KNIFE SPACE
FRONT R
FRONT L
VIDEO
HY ONLY
D.GND

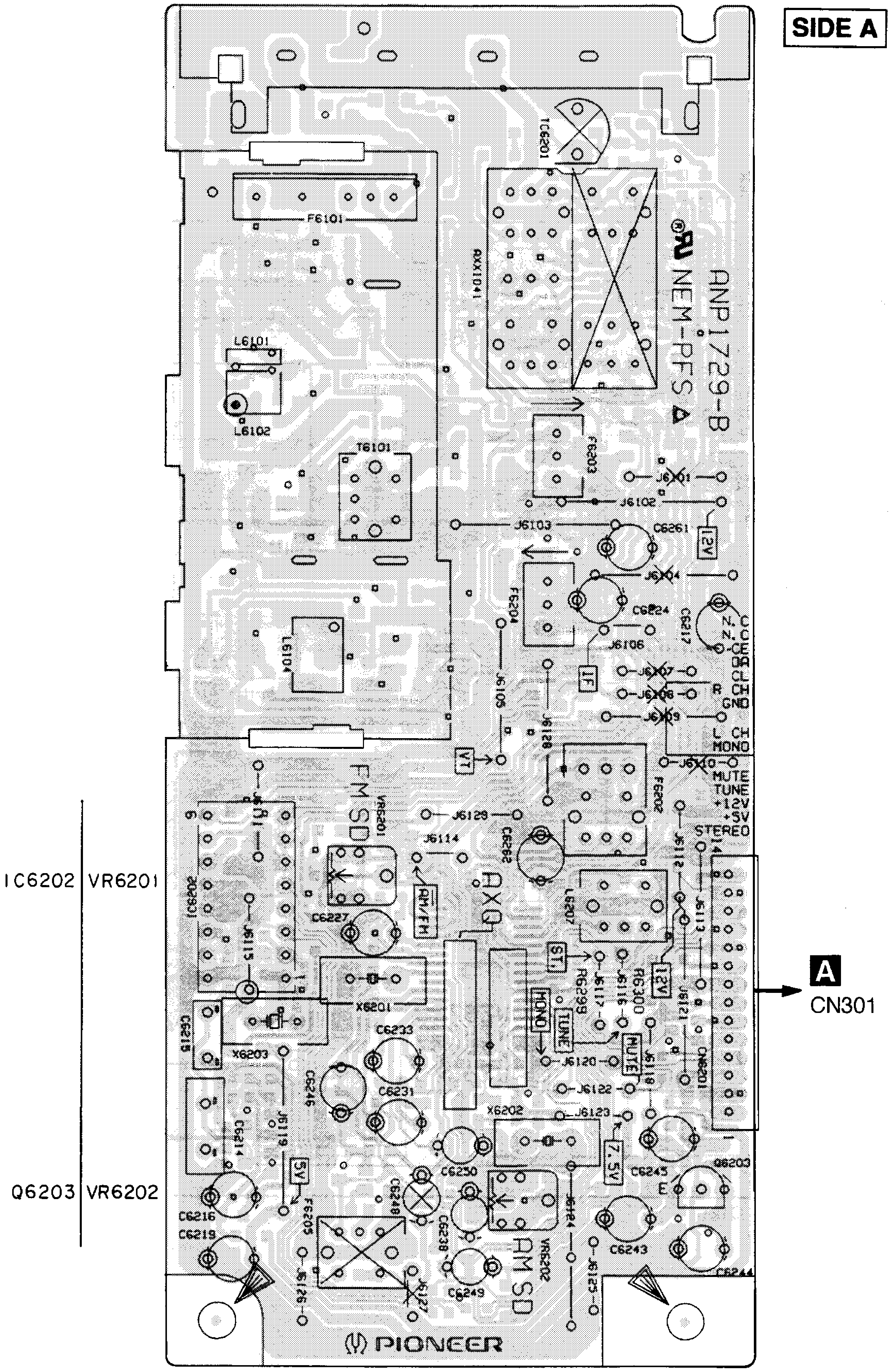
ANP7170-B

4.14 PRIMARY ASSY


SIDE A
S PRIMARY ASSY
Q
CN271
J5
ST.1
ST.2
GND
AC.RY
122
C126
D123
R125
D121
C125
C124
D125
R124
RY82
D124
R123
E C B
Q121
D122
RY121
W221
CWK-P3X
CWK
5
6
1211
SECONDARY
PRIMARY
TO VOLTAGE SELECTOR
W222
W223
W224
C123
FOR KU
J127 YLW
J128 WHT
J129 RED
HOT
230V
115V
P. SW
R121
N
W200
W201
W202
W203
FOR KU
J126 SD: YLW HY: BRWN
W204
W206
W209
J123 SD: BLUE HY: GLY
Y125 BLK
TO VOLTAGE SELECTOR
FU2
H124
H123
KU: WHT
TO POWER TRANS-FORMER
W205
W208
W207
C122
FOR KU&SD
Y130 GLY
HY: BRWN
Y55
L121
W184
W185
W188
J124 BRWN
FU3
H126
H125
TO POWER TRANSFORMER
FOR HY
W187
W186
W172
123
RISK OF FIRE-REPLACE FUSE AS MARKED.
121
AWZ8728
AWZ8790
AWZ8791
AWZ8873
H122
W162
W164
C121
W163
FU1
KN122
KN121
FOR SD
H121
NEUTRAL
LIVE
AC IN
Q121
ANP7170-B

4.15 FM/AM TUNER MODULE

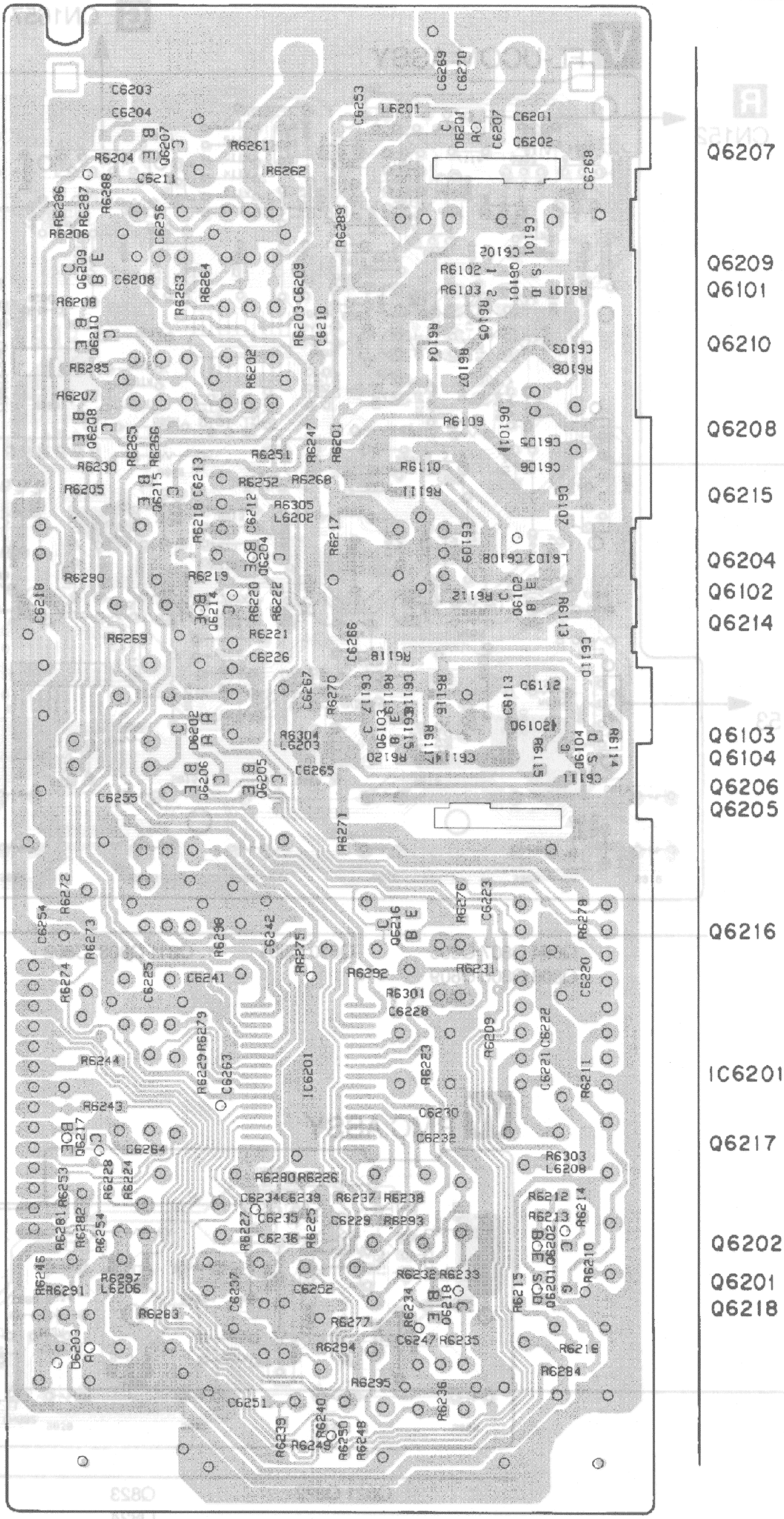
U FM/AM TUNER MODULE


SIDE A
IC6201
F6101
RXX1041
ANP1729-B
NEM-PFS
L6101
L6102
T6101
F6203
J6101
J6102
J6103
C6261
12V
F6204
J6104
C6224
C6217
N.C
N.C
CE
DA
CL
CH
GND
R
L CH
MONO
MUTE
TUNE
+12V
+5V
STEREO
J6105
J6106
IF
J6107
J6108
J6109
J6110
J6128
VT
F6202
FM SD
VR6201
J6129
C6262
J6114
AM/FM
AXQ
L6207
J6112
J6113
IC6202
C6227
J6115
ST
R6299
J6117
J6116
R6300
12V
J6121
CN6201
X6201
MONO
TUNE
MUTE
J6118
C6215
X6203
C6233
C6246
C6231
J6120
J6122
J6123
X6202
C6214
J6119
5V
7.5V
C6245
Q6203
E
C6230
C6248
C6216
C6219
F6205
C6238
VR6202
J6124
C6243
AM SD
C6244
J6126
J6127
C6249
J6125
PIONEER
IC6202
VR6201
Q6203
VR6202
A
CN301

ANP1729-B:KU,KC AND KU/CA TYPES
ANP1714-B:SD TYPE

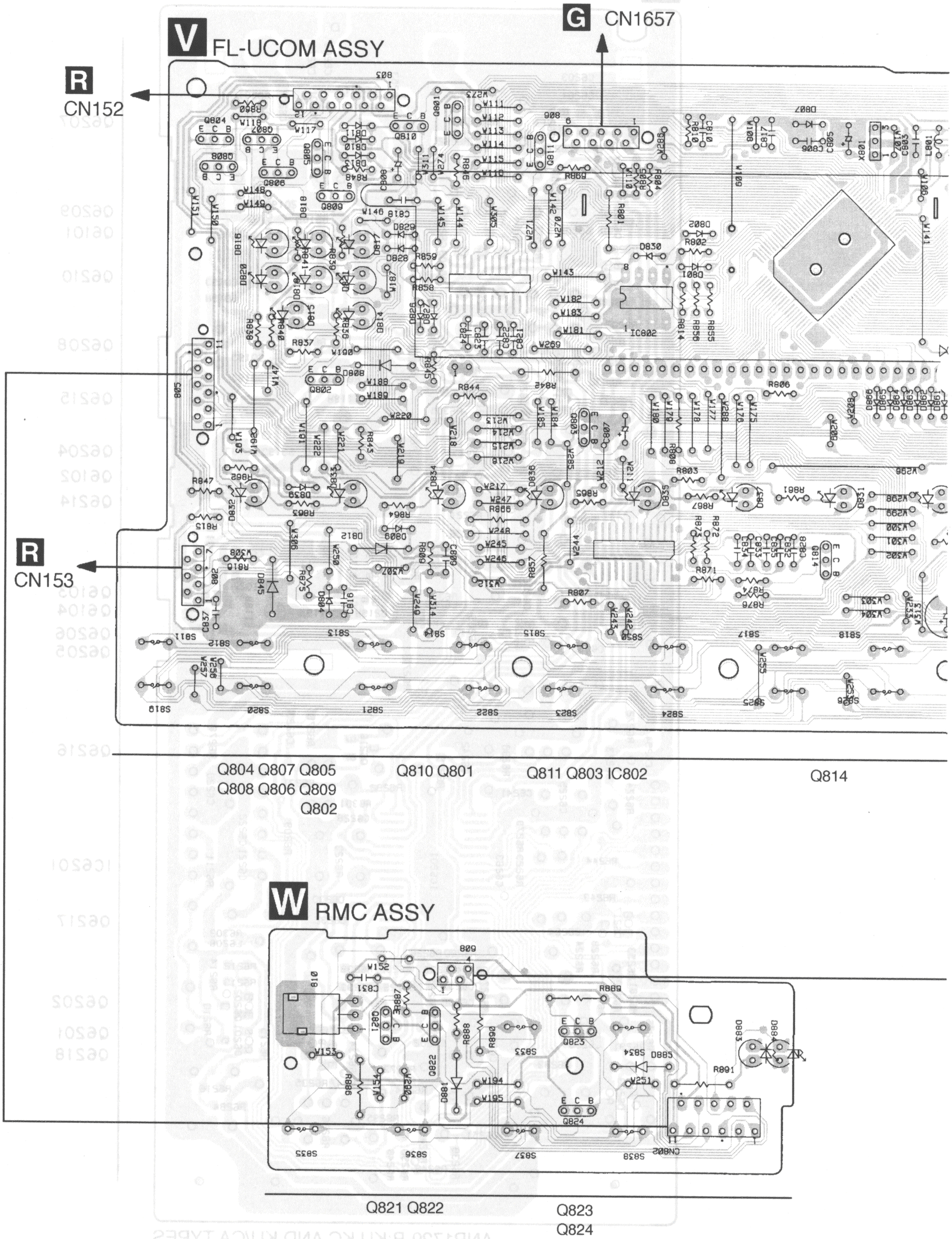
U FM/AM TUNER MODULE

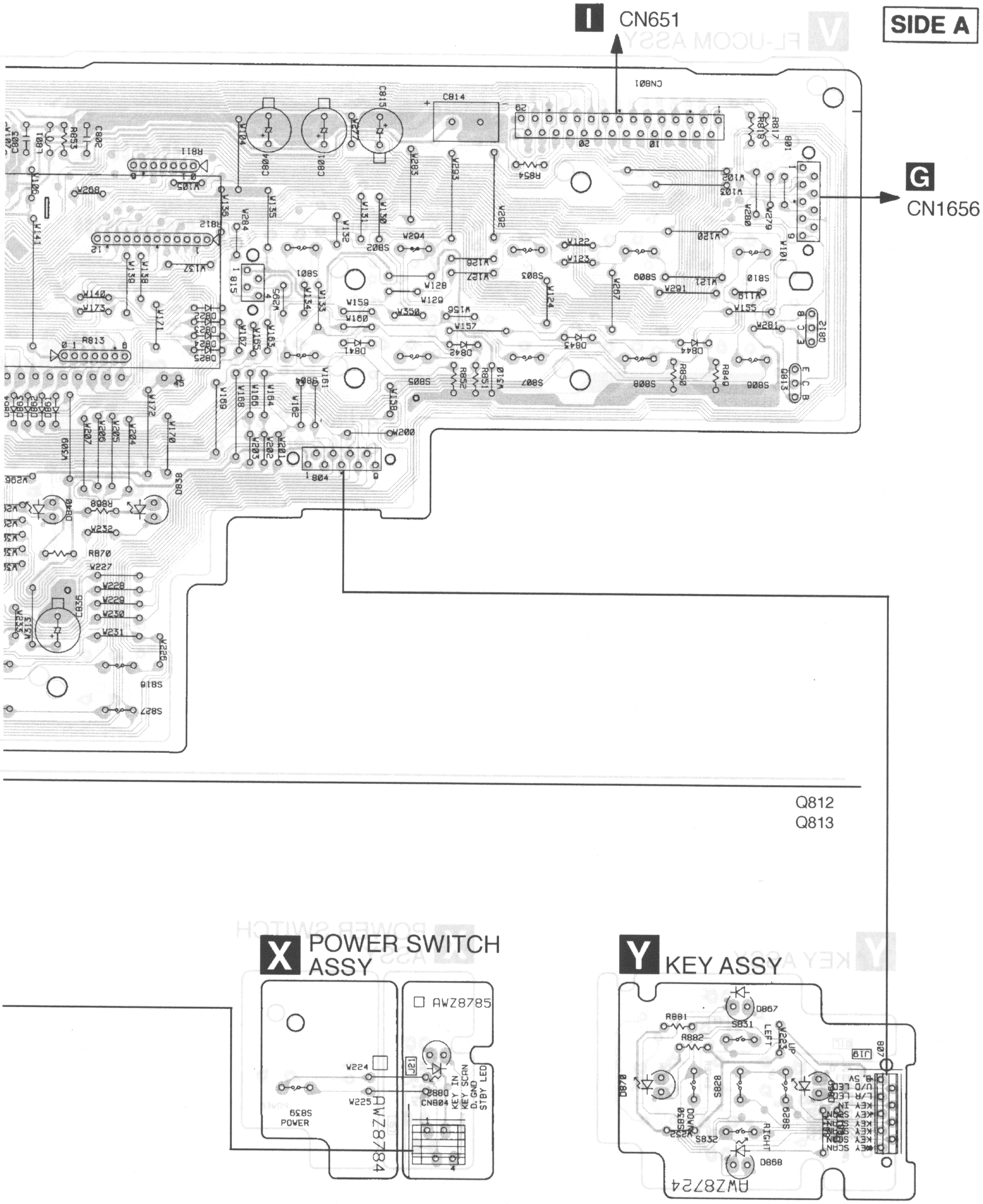
SIDE B


Q6207
Q6209
Q6101
Q6210
Q6208
Q6215
Q6204
Q6102
Q6214
Q6103
Q6104
Q6206
Q6205
Q6216
IC6201
Q6217
Q6202
Q6201
Q6218

ANP1729-B:KU,KC AND KU/CA TYPES
ANP1714-B:SD TYPE

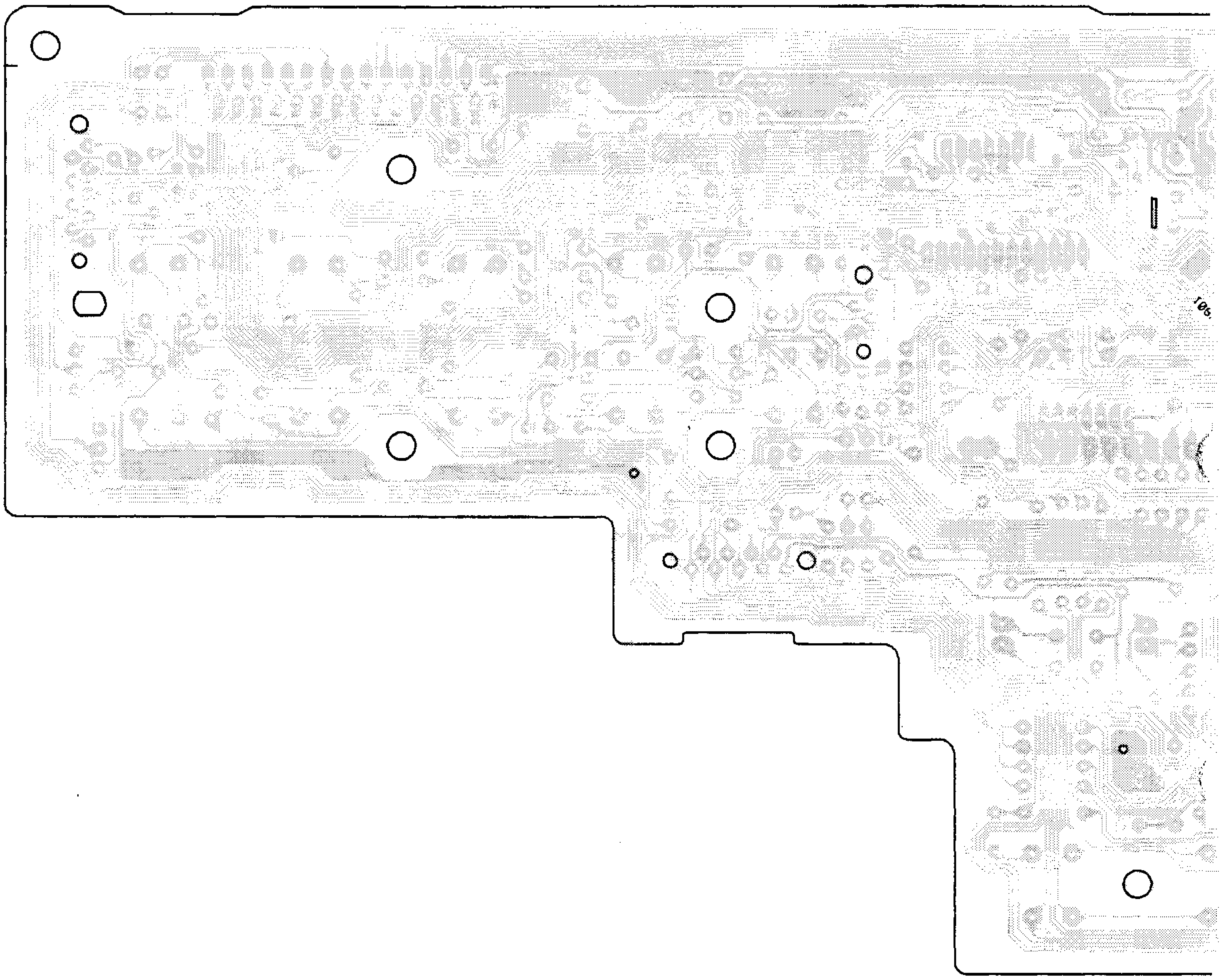
4.16 FL-UCOM ASSY, RMC ASSY, POWER SWITCH ASSY AND KEY ASSY


G
CN1657
V
FL-UCOM ASSY
R
CN152
R
CN153
IC802
Q804 Q807 Q805
Q808 Q806 Q809
Q802
Q810 Q801
Q811 Q803 IC802
Q814
W
RMC ASSY
CN802
Q821 Q822
Q823
Q824

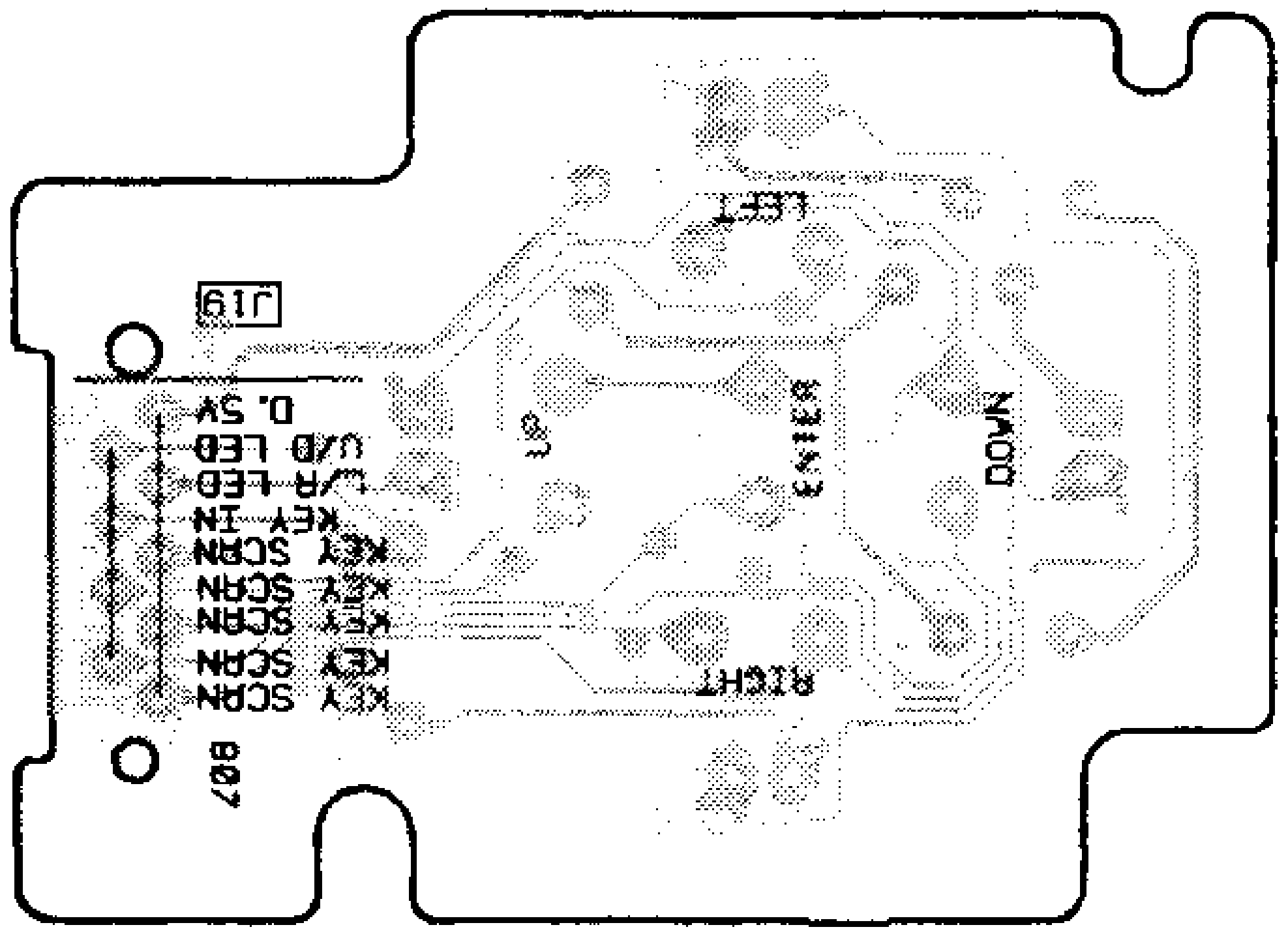

I CN651
SIDE A
G CN1656
CN801
C814
C815
R811
R813
R854
R817
R818
R849
R850
R851
R852
R853
R870
C836
S801
S802
S803
S805
S806
S807
S808
S809
S810
S816
S827
Q812
Q813
D838
D840
D841
D842
D843
D844
CN804
Q812
Q813
X POWER SWITCH ASSY
AWZ8785
AWZ8784
W224
W225
S839
POWER
CN804
KEY IN
KEY SCAN
D.GND
STBY LED
J21
Y KEY ASSY
AWZ8724
R881
R882
D867
D868
D869
D870
S828
S829
S830
S831
S832
LEFT
UP
DOWN
RIGHT
J19
KEY SCAN
KEY IN
U/D LED
L/R LED
B.5V

ANP7169-B

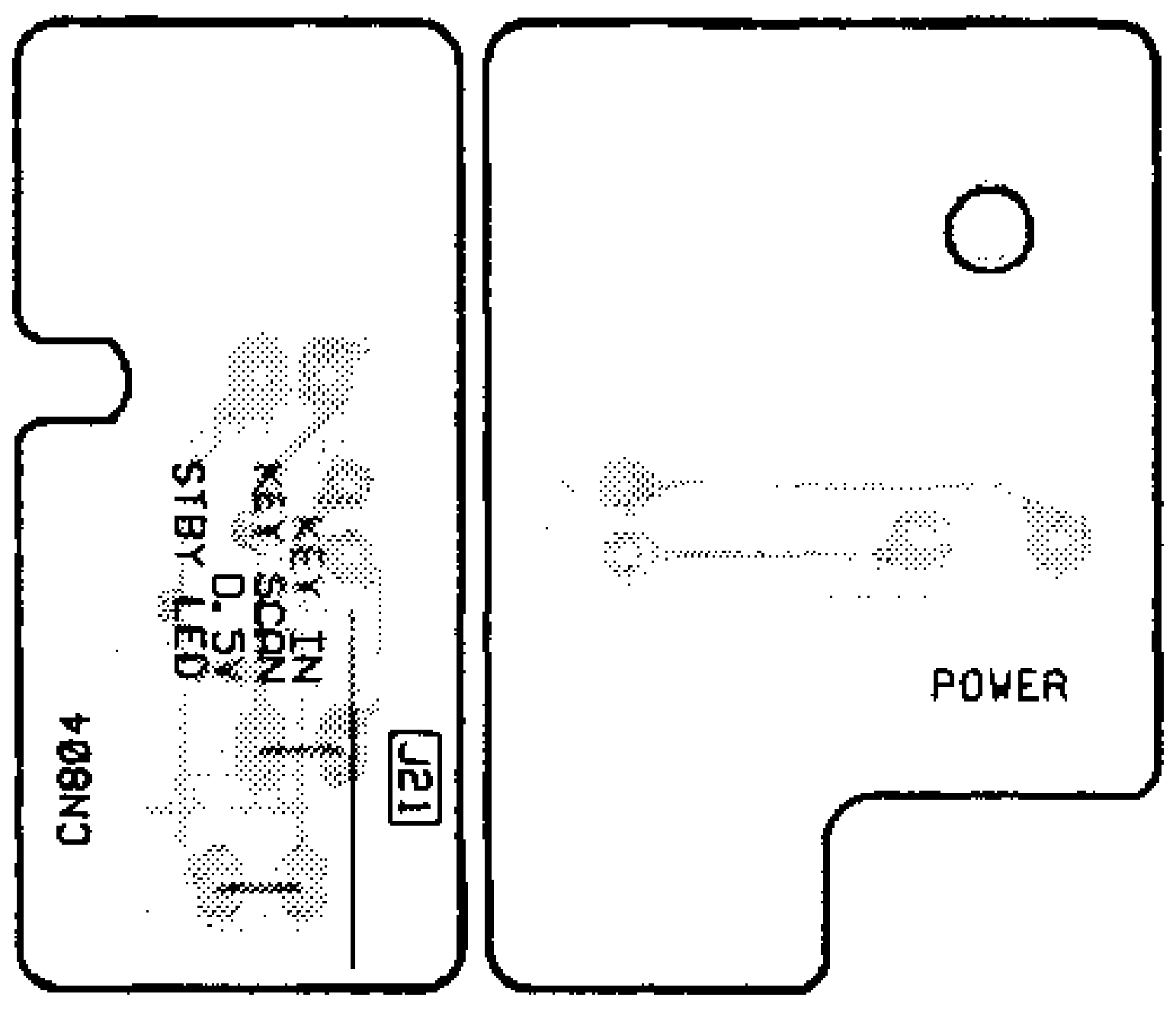
V FL-UCOM ASSY



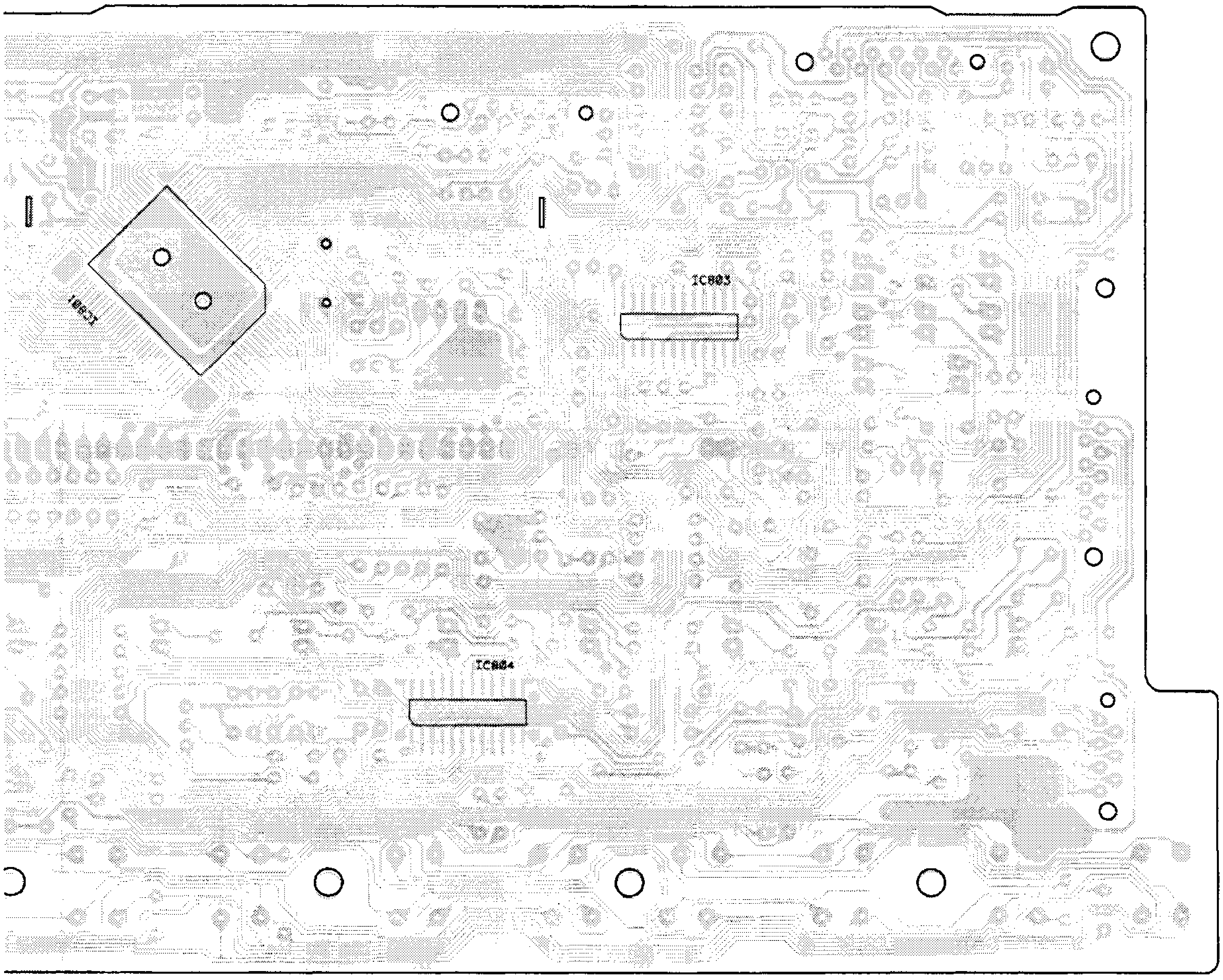
Y KEY ASSY


J19
D.5V
U/D LED
L/R LED
KEY IN
KEY SCAN
KEY SCAN
KEY SCAN
KEY SCAN
807
LEFT
UP
ENTER
DOWN
RIGHT

X POWER SWITCH ASSY

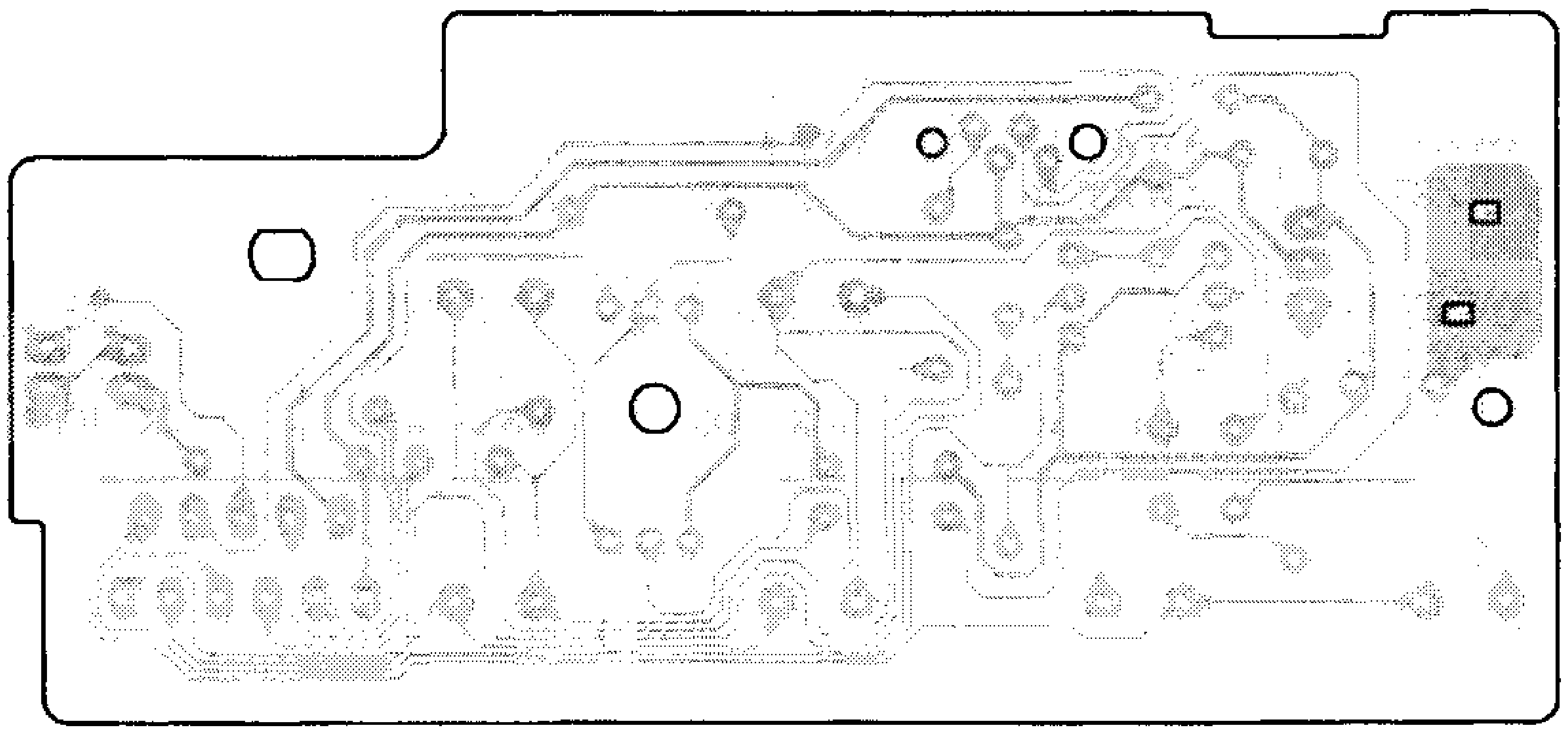

KEY IN
KEY SCAN
D.5V
STBY LED
J21
CN804
POWER

SIDE B


IC801
IC803
IC804

IC801
IC804
IC803

W RMC ASSY



ANP7169-B

5. PCB PARTS LIST

NOTES:
- *Parts marked by "NSP" are generally unavailable because they are not in our Master Spare Parts List.*
- *The ⚠ mark found on some component parts indicates the importance of the safety factor of the part. Therefore, when replacing, be sure to use parts of identical designation.*
- *When ordering resistors, first convert resistance values into code form as shown in the following examples.*

Ex.1 When there are 2 effective digits (any digit apart from 0), such as 560 ohm and 47k ohm (tolerance is shown by J = 5%, and K = 10%).

560Ω → 56×10^1 → 561 .... RD1/4PU$\boxed{5}\boxed{6}\boxed{1}$J
47kΩ → 47×10^3 → 473 .... RD1/4PU$\boxed{4}\boxed{7}\boxed{3}$J
0.5Ω → R50 .... RN2H$\boxed{R}\boxed{5}\boxed{0}$K
1Ω → 1R0 .... RS1P$\boxed{1}\boxed{R}\boxed{0}$K

Ex.2 When there are 3 effective digits (such as in high precision metal film resistors).
5.62kΩ → 562×10^1 → 5621 .... RN1/4PC$\boxed{5}\boxed{6}\boxed{2}\boxed{1}$F

■ LIST OF WHOLE PCB ASSEMBLIES

Mark	Symbol & Description	Part No.					Remarks
		VSX-D906S /KU	VSX-D906S /KC	VSX-D906S /SD	VSX-07TX /KU/CA	VSX-09TX /KU/CA	
NSP	SMALL SIG. ASSY	AWK7381	AWK7381	AWK7381	AWK7365	AWK7386	
	├ AUDIO ASSY	AWZ8763	AWZ8763	AWZ8763	AWZ8718	AWZ8762	
NSP	├ AUDIO/VIDEO ASSY	AWZ8766	AWZ8766	AWZ8766	AWZ8719	AWZ8765	
	├ VIDEO ASSY	AWZ8769	AWZ8769	AWZ8769	AWZ8720	AWZ8768	
NSP	├ PRE-OUT & SR ASSY	AWZ8774	AWZ8774	AWZ8774	AWZ8722	AWZ8773	
	└ S-VIDEO ASSY	AWZ8808	AWZ8808	AWZ8808	AWZ8721	AWZ8771	
NSP	CONTROL ASSY	AWK7382	AWK7382	AWK7403	AWK7366	AWK7366	
NSP	├ KEY ASSY	AWZ8724	AWZ8724	AWZ8724	AWZ8724	AWZ8724	
	├ FL-UCOM ASSY	AWZ8779	AWZ8779	AWZ8868	AWZ8723	AWZ8723	
NSP	├ RMC ASSY	AWZ8782	AWZ8782	AWZ8869	AWZ8725	AWZ8725	
NSP	└ POWER SWITCH ASSY	AWZ8784	AWZ8784	AWZ8784	AWZ8784	AWZ8784	
NSP	POWER SUPPLY ASSY	AWK7383	AWK7383	AWK7393	AWK7367	AWK7367	
	├ SP TERMINAL ASSY	AWZ8727	AWZ8727	AWZ8788	AWZ8727	AWZ8727	
NSP	├ PRIMARY ASSY	AWZ8728	AWZ8728	AWZ8790	AWZ8728	AWZ8728	
	├ TRANS TERMINAL ASSY	AWZ8730	AWZ8730	AWZ8730	AWZ8730	AWZ8730	
	└ POWER SUPPLY ASSY	AWZ8792	AWZ8792	AWZ8870	AWZ8729	AWZ8729	
NSP	CONNECTION ASSY	AWK7384	AWK7384	AWK7368	AWK7368	AWK7368	
NSP	├ CONNECTION ASSY	AWZ8732	AWZ8732	AWZ8732	AWZ8732	AWZ8732	
	├ MASTER VR ASSY	AWZ8734	AWZ8734	AWZ8734	AWZ8734	AWZ8734	
	├ REGULATOR (1) ASSY	AWZ8735	AWZ8735	AWZ8735	AWZ8735	AWZ8735	
	├ REGULATOR (2) ASSY	AWZ8736	AWZ8736	AWZ8736	AWZ8736	AWZ8736	
NSP	├ E VR ASSY	AWZ8786	AWZ8786	AWZ8733	AWZ8733	AWZ8733	
NSP	├ REGULATOR (3) ASSY	AWZ8819	AWZ8819	AWZ8819	AWZ8819	AWZ8819	
	└ V-AMP ASSY	AWZ8874	AWZ8874	AWZ8874	AWZ8874	AWZ8874	
NSP	POWER AMP ASSY	AWK7385	AWK7385	AWK7364	AWK7364	AWK7364	
	├ CURR DRIVE ASSY	AWZ8717	AWZ8717	AWZ8717	AWZ8717	AWZ8717	
	└ VOLTAGE AMP ASSY	AWZ8776	AWZ8776	AWZ8716	AWZ8716	AWZ8716	
	DOLBY DIGITAL ASSY	AWX7038	AWX7038	AWX7038	AWX7038	AWX7038	
	FM/AM TUNER MODULE	AXQ7219	AXQ7219	AXQ1012	AXQ7219	AXQ7219	
	LIMITTER ASSY	Not used	Not used	AWK7406	AWK7406	AWK7406	

■ CONTRAST OF PCB ASSEMBLIES

AUDIO ASSY

AWZ8718, AWZ8762 and AWZ8763 have the same construction except for the following:

Mark	Symbol & Description	Part No.			Remarks
		AWZ8763	AWZ8718	AWZ8762	
	IC304	Not used	TC4052BP	TC4052BP	
	C338, C343	Not used	CKSQYB103K50	CKSQYB103K50	
	R338, R339	Not used	RS1/10S102J	RS1/10S102J	
	301 Pin Jack (6P)	AKB7012	AKB7012	AKB7073	
	302 Pin Jack (6P)	AKB7013	Not used	AKB7074	
	302 Pin Jack (4P)	Not used	AKB7014	Not used	
	303 Pin Jack (2P)	Not used	AKB7019	Not used	

VIDEO ASSY

AWZ8720, AWZ8768 and AWZ8769 have the same construction except for the following:

Mark	Symbol & Description	Part No.			Remarks
		AWZ8769	AWZ8720	AWZ8768	
	IC401	Not used	LA7952	LA7952	
	C405	Not used	CEAS471M10	CEAS471M10	
	C406	Not used	CKSQYF473Z50	CKSQYF473Z50	
	C407, C409 – C411	Not used	CEAS470M25	CEAS470M25	
	C408	Not used	CKSQYB103K50	CKSQYB103K50	
	R405	Not used	RS1/10S750J	RS1/10S750J	
	R406	Not used	RS1/10S103J	RS1/10S103J	
	R407, R408	Not used	RS1/10S102J	RS1/10S102J	
	402 Pin Jack (2P)	AKB7017	AKB7076	AKB7076	
	403 3P RCA Pin Jack	AKB7018	AKB7018	AKB7077	
	404 Pin Jack (3P)	Not used	AKB7018	AKB7077	
	405 Pin Jack (2P)	AKB7016	Not used	Not used	

PRE-OUT & SR ASSY

AWZ8722, AWZ8773 and AWZ8774 have the same construction except for the following:

Mark	Symbol & Description	Part No.			Remarks
		AWZ8774	AWZ8722	AWZ8773	
	Q553	Not used	2SA1048	2SA1048	
	D553, D556, D557	Not used	1SS355	1SS355	
	R556, R568	Not used	RS1/10S102J	RS1/10S102J	
	R557	Not used	RS1/10S103J	RS1/10S103J	
	R559, R560	Not used	RS1/10S224J	RS1/10S224J	
	552 Jack	Not used	AKN1020	AKN1020	
	CN556 Pin Jack (6P)	BKB1012	BKB1012	AKB7093	

S-VIDEO ASSY

AWZ8721, AWZ8771 and AWZ8808 have the same construction except for the following:

Mark	Symbol & Description	Part No.			Remarks
		AWZ8808	AWZ8721	AWZ8771	
	C527, C532	CKSQYB103K50	Not used	Not used	
	C531	Not used	CKSQYB104K25	CKSQYB104K25	
	C550	Not used	CEAS470M25	CEAS470M25	
	R519	Not used	RS1/10S102J	RS1/10S102J	
	R520, R526	Not used	RS1/10S101J	RS1/10S101J	
	CN503, CN504 Socket	AKP7010	AKP7010	AKP7012	
	CN505 Socket	AKP7009	AKP7009	AKP7011	

FL-UCOM ASSY

AWZ8868, AWZ8723 and AWZ8779 have the same construction except for the following:

Mark	Symbol & Description	Part No.			Remarks
		AWZ8779	AWZ8868	AWZ8723	
	D841	HSS104–02	Not used	Not used	
	D843	Not used	HSS104–02	Not used	

RMC ASSY

AWZ8869, AWZ8725 and AWZ8782 have the same construction except for the following:

Mark	Symbol & Description	Part No.			Remarks
		AWZ8782	AWZ8869	AWZ8725	
	D883, D884	Not used	Not used	SLR–342YCT31	
	S833	Not used	Not used	VSG1008	
	S835	Not used	VSG1008	VSG1008	
	R891	Not used	Not used	RD1/4PU680J	

SP TERMINAL ASSY

AWZ8788 and AWZ8727 have the same construction except for the following:

Mark	Symbol & Description	Part No.		Remarks
		AWZ8727	AWZ8788	
	S271, S272	Not used	ASH1027	
	CN278 Speaker Terminal 8–P	AKE7033	AKE7044	
	CN279 Speaker Terminal 6–P	AKE7034	AKE7045	

PRIMARY ASSY

AWZ8790 and AWZ8728 have the same construction except for the following:

Mark	Symbol & Description	Part No.		Remarks
		AWZ8728	AWZ8790	
⚠	T121	ATT1223	ATT1193	
	R121	ACN–208 (2.2MΩ 1/2W)	Not used	
	H121, H122 Holder	RKR1003	Not used	
	H123 – H126 Holder	Not used	RKR1003	
	J124	Not used	DB117EB0	
NSP	J123	Not used	DB617EB0	
	J126	Not used	DB418EB0	
	J127	Not used	DB420EB0	
	J128	Not used	DB920EB0	
	J129	Not used	DB220EB0	
	123 Ground Plate	VNF–091	Not used	
NSP	Y55	ADX7140	Not used	
NSP	Y125	ADX1930	Not used	

POWER SUPPLY ASSY

AWZ8870, AWZ8729 and AWZ8792 have the same construction except for the following:

Mark	Symbol & Description	Part No.			Remarks
		AWZ8792	AWZ8870	AWZ8729	
	C152, C153	ACH7057 (22000µF/50V)	ACH7068 (22000µF/56V)	ACH7057 (22000µF/50V)	
	C171	Not used	Not used	CEAS470M25	
	C172	Not used	Not used	CGCYX473M25	
	R165, R166	Not used	Not used	RD1/4PU750J	
	CN156 Pin Jack (3P)	AKB7085	AKB7085	AKX7007	

FM/AM TUNER MODULE

AXQ1012 and AXQ7219 have the same construction except for the following:

Mark	Symbol & Description	Part No.		Remarks
		AXQ7219	AXQ1012	
	F6202	ATF1156	ATF1155	
	C6230	CKSQYB393K50	CKSQYB333K50	
	C6232	CKSYB393K50	CKSYB333K50	
	BN6201 Terminal 4–P	AKE7028	AKA1016	
	AM RF Tuning Block	AXX1025	AXX1041	

B AUDIO/VIDEO ASSY (AWZ8719 : FOR VSX-07TX)

AWZ8765 and AWZ8719 have the same construction except for the following:

Mark	Symbol & Description	AWZ8719	AWZ8765	Remarks
	352 Pin Jack (4P)	AKB7014	AKB7070	
	353 Pin Jack (6P)	AKB7013	AKB7074	

SEMICONDUCTORS

Mark	No.	Description	Parts No.
	IC354, IC355		NJM4558DX
	IC352		TC4052BP
	IC351		TC9162AN
	IC353		TC9210P
	Q351, Q352		2SC2878
	Q353		DTC124ES

CAPACITORS

Mark	No.	Description	Parts No.
	C363, C364, C387, C388		CCSQCH101J50
	C365, C370		CCSQCH102J50
	C371, C372, C375, C376		CEAS100M50
	C379 – C382		CEAS100M50
	C366 – C369, C373, C374		CKSQYB103K50
	C377, C378, C385, C386		CKSQYB103K50
	C1555		CKSQYB473K50

RESISTORS

Mark	No.	Description	Parts No.
	R385		RD1/4PU103J
	R381		RD1/4PU183J
		Other Resistors	RS1/10S□□□J

OTHERS

Mark	No.	Description	Parts No.
	J38	JUMPER WIRE	D15A03 - 100 - 2651
	353	PIN JACK(6P)	AKB7013
	352	PIN JACK(4P)	AKB7014
	351	PIN JACK(4P)	AKB7075
	360	CABLE HOLDER(3P)	51063 – 0305
	CN351	PLUG 3–P	KM250MA3
	CN353	17P SOCKET	KP200TA17L
	CN352	9P SOCKET	KP200TA9L

F E VR ASSY (AWZ8733 : FOR SD AND KU/CA TYPES)

SEMICONDUCTORS

Mark	No.	Description	Parts No.
	IC611		UPC4570C
	IC601, IC603 – IC606		NJM4558DX
	IC615		NJM78L06A
	IC616		NJM79L06A
	IC607		TC9163AN
	IC608 – IC610		TC9299P
	IC602, IC612		UPC4570C
	IC613, IC614		UPC4570G2
	Q601, Q602		2SC2458
	Q603, Q604		2SC2878
	Q605		DTA124ES
	D601		1SS355
	D603 – D606		HSS104–02
	D602		MTZJ5.1B

CAPACITORS

Mark	No.	Description	Parts No.
	C667, C668		CEAS101M25
	C1601		CEAS1R0M50
	C1602, C1603		CEAS2R2M50
	C697, C698		CEAS470M25
	C607, C608, C616, C633, C634		CEAS4R7M50
	C653 – C656, C659, C660		CEAS4R7M50
	C683 – C694		CEAS4R7M50
	C661, C664, C671, C678		CKSQYB102K50
	C609, C610, C617, C618		CKSQYB103K50
	C635, C636, C639, C640		CKSQYB103K50
	C643, C644, C647, C648		CKSQYB103K50
	C657, C658, C665, C666		CKSQYB103K50
	C672, C673, C679, C680		CKSQYB103K50
	C695, C696		CKSQYB103K50
	C1605, C1606		CKSQYB152K50
	C651, C652, C662, C663		CKSQYF473Z50
	C669, C670, C676, C677		CKSQYF473Z50
	C1607, C1608		CQMA104J50
	C1609, C1610		CQMA332J50
	C621 – C624		CQPA103G2A

Mark	No.	Description	Parts No.
	C601 – C604, C613, C614		CQPA122G2A
	C645, C646, C649, C650		CQPA152G2A
	C625, C626		CQPA182G2A
	C605, C606, C615		CQPA222G2A
	C627, C628		CQPA271G2A
	C637, C638, C641, C642		CQPA272G2A
	C629 – C632		CQPA273G2A

RESISTORS

	R1613, R1614, R637, R638		RN1/4PC1332F
	R633, R634		RN1/4PC1822F
	R621, R622		RN1/4PC2551F
	R645, R646		RN1/4PC3242F
	R625, R626		RN1/4PC3322F
	R629, R630		RN1/4PC3572F
	R631, R632		RN1/4PC4021F
	R643, R644		RN1/4PC4022F
	R639, R640		RN1/4PC5111F
	R641, R642		RN1/4PC5491F
	R627, R628		RN1/4PC5762F
	R697, R698		RN1/4PC7501F
	R623, R624		RN1/4PC8250F
	R635, R636		RN1/4PC9311F
	R607, R608, R616		RS1/10S1002F
	R605, R606, R615		RS1/10S1802F
	R603, R604, R614		RS1/10S2201F
	R609, R610, R617		RS1/10S4701F
	R601, R602, R613		RS1/10S6801F
	R695, R696		RS1LMF101J
		Other Resistors	RS1/10S□□□J

OTHERS

	610	CABLE HOLDER(14P)	51063–1405
	CN609	11PJUMPER CONNECTOR	52147–1110
	CN608	15PJUMPER CONNECTOR	52147–1510
	CN603	10P PLUG	KM200TA10
	CN604	12P PLUG	KM200TA12
	CN606, CN612	13P PLUG	KM200TA13
	CN602	17P PLUG	KM200TA17
	CN601	18P PLUG	KM200TA18
	CN605	5P PLUG	KM200TA5
	CN607	7P PLUG	KM200TA7
	CN611	PLUG 5–P	KM250MA5
	CN613	JUMPER CONNECTOR 3–P	KPC3

N VOLTAGE AMP ASSY (AWZ8716 : FOR SD AND KU/CA TYPES)

SEMICONDUCTORS

Mark	No.	Description	Parts No.
	IC901 – IC903		NJM4558DX
	Q916 – Q920		2SA1048
	Q1062, Q943, Q944		2SA965
	Q901 – Q910, Q921 – Q925		2SA970
	Q936 – Q940		2SA970
	Q1061, Q941, Q942		2SC2235
	Q926 – Q935, Q947		2SC2240
	Q911 – Q915, Q945		2SC2458
	Q946		DTA124ES
	D911 – D925, D927 – D930		1SS355
	D951 – D960		1SS355
	D935		UDZ16B
	D931, D932, D938, D939		UDZ22B
	D933, D934, D936, D937		UDZ24B
	D941 – D945		UDZ6.8B
	D946 – D950		UDZ8.2B

CAPACITORS

	C1071 – C1080		CCCSL181K2H
	C951 – C960		CCCSL560K2H
	C966 – C970		CCCSL5R0C2H
	C981 – C985		CCSQCH101J50
	C1089, C1090		CEAS101M50
	C971		CEAS470M2A
	C931 – C935, C941 – C945		CEJA100M50
	C961 – C965		CEJA101M16
	C1086, C1087		CEJA1R0M50
	C1081 – C1085, C1101 – C1105		CEJA470M16
	C946 – C950		CKSQYB182K50
	C936 – C940		CKSQYB221K50
	C976 – C980		CKSQYB222K50
	C1088		CKSQYF223Z50

RESISTORS

	R1201, R1202		RD1/4LMF472J
	R1126 – R1130		RD1/4MUF473J
	R1153, R1154		RD1/4MUF4R7J
		Other Resistors	RS1/10S□□□J

OTHERS

	901	CABLE HOLDER(6P)	51052–0600
	902	CABLE HOLDER(5P)	51063–0505
	903	CABLE HOLDER(15P)	51063–1505
	CN904	PLUG 3–P	KM250MA3
	CN903	14P SOCKET	KP200TA14L
	CN901	CONNECTOR(15P)	KPE15
		PCB BINDER	VEF1040

P LIMITTER ASSY (AWK7406 : FOR SD AND KU/CA TYPES)

SEMICONDUCTORS

	IC1205,IC1206		NJM2058D
	IC1204		NJM4558DX
	IC1201–IC1203		UPC4570C
	Q1201 – Q1205		2SC2878
	D1201 – D1205, D1211 – D1215		HSS104–02
	D1206 – D1210, D1216 – D1220		HZS2CLL

CAPACITORS

	C1216 – C1225		CCCCH220J50
	C1201 – C1205		CEAS100M50
	C1231 – C1235		CEJA4R7M35
	C1206 – C1211		CFTXA104J50

RESISTORS

Mark	No.	Description	Parts No.
		All Resistors	RD1/4PU□□□J

OTHERS

Mark	No.	Description	Parts No.
	1202	CABLE HOLDER(3P)	51063–0305
	1201	CABLE HOLDER(15P)	51063–1505
	CN1201	CONNECTOR(15P)	KPE15

■ PARTS LIST FOR VSX-D906S/KU

A AUDIO ASSY

SEMICONDUCTORS

Mark	No.	Description	Parts No.
	IC305		BU4094BCF
	IC301		M5220P
	IC302		NJM4558DX
	IC303		TC9164AN
	Q301		2SC2458

CAPACITORS

Mark	No.	Description	Parts No.
	C335, C336, C1312		CCSQCH101J50
	C1301, C1344, C337, C344		CCSQCH102J50
	C313, C314		CEAS100M50
	C333, C334		CEAS101M25
	C329 – C332		CEAS2R2M50
	C327, C328		CEAS331M25
	C317, C318, C341, C342		CEAS470M25
	C1311		CKSQYB102K50
	C345, C346		CKSQYB103K50
	C321, C322		CQMA242J50
	C319, C320		CQMA822J50

RESISTORS

Mark	No.	Description	Parts No.
	R342, R343		RD1/4PU102J
	R1301, R1302		RD1/4PU331J
		Other Resistors	RS1/10S□□□J

OTHERS

Mark	No.	Description	Parts No.
	301	PIN JACK(6P)	AKB7012
	302	PIN JACK(6P)	AKB7013
	CN301	14P PLUG	KM200IB14
	CN302	18P SOCKET	KP200TA18L
	CN303	19P SOCKET	KP200TA19L

B AUDIO/VIDEO ASSY

SEMICONDUCTORS

Mark	No.	Description	Parts No.
	IC351		TC9162AN

CAPACITORS

Mark	No.	Description	Parts No.
	C363, C364		CCSQCH101J50
	C365		CCSQCH102J50
	C366, C367		CKSQYB103K50
	C1555		CKSQYB473K50

RESISTORS

Mark	No.	Description	Parts No.
		All Resistors	RS1/10S□□□J

OTHERS

Mark	No.	Description	Parts No.
	360	CABLE HOLDER(3P)	51063 – 0305
	352	PIN JACK(6P)	AKB7013
	CN354	PIN JACK(6P)	AKB7009
	J38	JUMPER WIRE	D15A03 – 100 – 2651
	CN351	PLUG 3–P	KM250MA3
	CN353	17P SOCKET	KP200TA17L
	CN352	9P SOCKET	KP200TA9L

D VIDEO ASSY

SEMICONDUCTORS

Mark	No.	Description	Parts No.
	IC406		BU4094BCF
	IC408		LA7213
	IC405		LA7951
	IC403		MM1067XD
	IC402		NJM2534L
	IC404		PD6178A
	IC409		UPC78L05J
	Q403 – Q409, Q411, Q412		2SA1048
	Q401, Q402, Q413, Q414		2SC2458
	Q410, Q415, Q475		DTC124ES
	D406		1SS252
	D401 – D405		1SS355

COILS AND FITLTERS

Mark	No.	Description	Parts No.
	L401		LCTA220J3225

CAPACITORS

Mark	No.	Description	Parts No.
	C431, C468		CCSQCH101J50
	C430, C457		CCSQCH102J50
	C436, C437		CCSQCH150J50
	C423		CCSQCH221J50
	C433, C473		CCSQCH330J50
	C428		CCSQCH471J50
	C425, C426		CCSQCH561J50
	C444, C448, C456, C461		CCSQCH5R0C50
	C471, C472		CCSQCH5R0C50
	C418, C450, C454, C465, C466		CEAS100M50
	C421, C424, C427		CEAS1R0M50
	C439		CEAS3R3M50
	C401 – C404, C412, C415, C417		CEAS470M25
	C435, C440 – C442, C446, C458		CEAS470M25
	C462, C467, C469		CEAS470M25
	C445, C449, C464		CEAS471M10
	C429		CEASR47M50
	C413, C414, C416, C419, C434		CKSQYB103K50
	C438, C443, C447, C459, C463		CKSQYB103K50
	C451 – C453, C455, C470		CKSQYB104K25
	C422		CKSQYB332K50
	C420, C1554		CKSQYB473K50

RESISTORS

Mark	No.	Description	Parts No.
	R459		RD1/2PM221J
	R441, R446		RD1/2PM331J
	R462		RD1/2PM680J
	R469, R470		RD1/4PU101J
	R475		RD1/4PU223J
	R467		RD1/4PU331J
	R468		RD1/4PU472J
		Other Resistors	RS1/10S□□□J

OTHERS

Mark	No.	Description	Parts No.
	401	CABLE HOLDER(14P)	51063–1405
	402	PIN JACK(2P)	AKB7017
	405	PIN JACK(2P)	AKB7016
	403	3P RCA PINJACK	AKB7018
	X402	CERAMIC RESONATOR (503kHz)	ASS1056
	X401	CRYSTAL RESONATOR	ASS1112
	CN402	10P SOCKET	KP200TA10L

C PRE-OUT & SR ASSY

SEMICONDUCTORS

Mark	No.	Description	Parts No.
	Q552		2SA1048
	Q551		2SC2458
	Q555 – Q560		2SC2878
	D551, D554, D555		1SS355

COILS AND FILTERS

Mark	No.	Description	Parts No.
	L551 – L556		LCTA221J3225

CAPACITORS

Mark	No.	Description	Parts No.
	C551 – C556		CCSQCH101J50

RESISTORS

Mark	No.	Description	Parts No.
	R554		RD1/4PU102J
	R578		RD1/4PU103J
		Other Resistors	RS1/10S□□□J

OTHERS

Mark	No.	Description	Parts No.
	551	CABLE HOLDER(15P)	51063–1505
	CN553	JACK	AKN1006
	CN556	PIN JACK(6P)	BKB1012
	CN558	PLUG 3–P	KM250MA3
	CN551	5P SOCKET	KP200TA5L
	CN554	CONNECTOR(4P)	KPE4

E S-VIDEO ASSY

SEMICONDUCTORS

Mark	No.	Description	Parts No.
	IC504, IC505		LA7951
	IC501, IC502		NJM2534L
	IC503		TC4051BP
	Q501 – Q506, Q509		2SA1048
	Q508, Q510, Q514, Q515		2SC2458
	D501 – D504		1SS355

CAPACITORS

Mark	No.	Description	Parts No.
	C536, C538, C540, C542, C544		CCSQCH5R0C50
	C546		CCSQCH5R0C50
	C1501, C1503, C1505, C1507, C1509		CEAS470M25
	C501, C505, C509, C513, C518		CEAS470M25
	C520, C521, C528, C529		CEAS470M25
	C533, C534, C549		CEAS470M25
	C537, C539, C541		CEAS471M10
	C1502, C1504, C1506, C1508, C1510		CKSQYB103K50
	C504, C508, C512, C516, C517		CKSQYB103K50
	C519, C522, C523, C525 – C527		CKSQYB103K50
	C530, C532, C535, C548		CKSQYB103K50
	C502, C506, C511, C515, C524		CKSQYB104K25
	C543, C545, C547		CKSQYB104K25
	C503, C507, C510, C514		CKSQYB473K50

RESISTORS

Mark	No.	Description	Parts No.
	R1504, R541		RD1/2PM221J
	R1501, R532, R537, R546		RD1/2PM331J
	R1516		RD1/4PU103J
		Other Resistors	RS1/10S□□□J

OTHERS

Mark	No.	Description	Parts No.
	501	CABLE HOLDER(9P)	51063–0905
	CN505	SOCKET	AKP7009
	CN503, CN504	SOCKET	AKP7010
	CN502	12P SOCKET	KP200TA12L
	361	PCB BINDER	VEF1040

Y KEY ASSY

SEMICONDUCTORS

Mark	No.	Description	Parts No.
	D867 – D870		SLR–342VRT31

SWITCHES AND RELAYS

Mark	No.	Description	Parts No.
	S828 – S832		VSG1008

RESISTORS

Mark	No.	Description	Parts No.
		All Resistors	RD1/4PU□□□J

OTHERS

Mark	No.	Description	Parts No.
	807	CABLE HOLDER(9P)	51063–0905

V FL-UCOM ASSY

SEMICONDUCTORS

Mark	No.	Description	Parts No.
	IC803		M66311FP
	IC801		PDG191A
	IC802		S–24C16ADP
	Q805 – Q811		DTA124ES
	Q801 – Q804		DTC124ES
	D801, D802, D804, D807 – D813		HSS104–02
	D822 – D830, D839, D841		HSS104–02
	D861 – D866		HSS104–02
	D814		SLR–342VRT31
	D815 – D821		SLR–342YCT31

COILS AND FILTERS

Mark	No.	Description	Parts No.
	L801		LAU220J

SWITCHES AND RELAYS

Mark	No.	Description	Parts No.
	S801 – S827, S850		VSG1008

CAPACITORS

Mark	No.	Description	Parts No.
	C807		CEAS101M10
	C805		CEAS1R0M50
	C808		CEAS220M50
	C815		CEJA100M50
	C801, C804		CEJA221M10
	C802, C803		CKCYF473Z50
	C821 – C824		CKPUYB102K50
	C806, C809, C810, C816 – C818		CKPUYF473Z16

RESISTORS

Mark	No.	Description	Parts No.
	R812		RA11T472J
	R811		RA6T472J
		Other Resistors	RD1/4PU□□□J

OTHERS

Mark	No.	Description	Parts No.
	802	CABLE HOLDER(7P)	51063–0705
	801, 804, 806	CABLE HOLDER(9P)	51063–0905
	805	CABLE HOLDER(11P)	51063–1105
	803	CABLE HOLDER(12P)	51063–1205
	CN801		52044–2945
	V801	FL TUBE	AAV7037
	X801	CERAMIC RESONATOR (7.70MHz)	ASS1055

W RMC ASSY

SEMICONDUCTORS

Mark	No.	Description	Parts No.
	Q821, Q822		2SC2458
	Q823, Q824		DTC124ES
	D881, D885		HSS104–02

SWITCHES AND RELAYS

Mark	No.	Description	Parts No.
	S834, S836 – S838		VSG1008

CAPACITORS

Mark	No.	Description	Parts No.
	C831		CKCYF103Z50

RESISTORS

Mark	No.	Description	Parts No.
		All Resistors	RD1/4PU□□□J

OTHERS

Mark	No.	Description	Parts No.
	809	CABLE HOLDER(4P)	51063–0405
	810	REMOTE RECEIVER UNIT	GP1U27X
	CN802	CONNECTOR(11P)	KPE11

X POWER SWITCH ASSY

SEMICONDUCTORS

Mark	No.	Description	Parts No.
	D882		SLR–342VRT31

SWITCHES AND RELAYS

Mark	No.	Description	Parts No.
	S839		VSG1008

OTHERS

Mark	No.	Description	Parts No.
	CN804	CONNECTOR(4P)	KPE4

Q SP TERMINAL ASSY

SEMICONDUCTORS

Mark	No.	Description	Parts No.
	Q271 – Q274		2SC2240
	Q203		2SC4793
	Q201		DTA124ES
	Q202		DTC143ES
	D201, D202		D3SBA20(B)
	D271, D273, D275, D277		HSS104 – 02
	D211		MTZJ24B
	D203, D204		S5688G

SWITCHES AND RELAYS

Mark	No.	Description	Parts No.
	RY271 – RY275		ASR1035

CAPACITORS

Mark	No.	Description	Parts No.
	C202, C204		CEAS222M25
	C205		CEAS470M50
	C203		CEAS472M16
	C201		CEAS472M25
	C281 – C287		CKCYB102K2H

RESISTORS

Mark	No.	Description	Parts No.
	R204		RD1/2PM561J
	R291		RD1/4PM181J
	R271, R274, R279		RS2LMF122J
	R201, R202		RS2LMF470J
		Other Resistors	RD1/4PU□□□J

OTHERS

Mark	No.	Description	Parts No.
	272	CABLE HOLDER(4P)	51063 – 0405
	CN278	SPEAKER TERMINAL 8 – P	AKE7033
	CN279	SPEAKER TERMINAL 6 – P	AKE7034
	CN276	CONNECTOR(10P)	KPC10
	CN280	CONNECTOR(5P)	KPC5
	CN273	CONNECTOR(12P)	KPE12
	CN277	CONNECTOR(14P)	KPE14
	CN271	CONNECTOR(4P)	KPE4
	CN275	CONNECTOR(5P)	KPE5
	CN274	CONNECTOR(6P)	KPE6
	CN272	CONNECTOR(7P)	KPE7

S PRIMARY ASSY

SEMICONDUCTORS

Mark	No.	Description	Parts No.
	Q121		DTC143ES
	D122, D124		HSS104 – 02
	D125		MTZJ5.1A
	D123		MTZJ5.6A
	D121		S5688G

COILS AND FILTERS

Mark	No.	Description	Parts No.
⚠	L121	(0.3mH/270V)	ATF1006

TRANSFORMERS

Mark	No.	Description	Parts No.
⚠	T121		ATT1223

SWITCHES AND RELAYS

Mark	No.	Description	Parts No.
⚠	RY121		ASR1036

CAPACITORS

Mark	No.	Description	Parts No.
⚠	C121	(0.1μF/250V)	ACE7004
⚠	C122, C123	(10000pF/250V)	ACG7020
	C125		CEAS102M16
	C126		CEAS470M25
	C124		CKCYF103Z50

RESISTORS

Mark	No.	Description	Parts No.
	R121	(2.2MΩ,1/2W)	ACN – 208
	R123		RD1/2PM270J
	R122		RS2LMF121J
		Other Resistors	RD1/4PU□□□J

OTHERS

Mark	No.	Description	Parts No.
	122	CABLE HOLDER(4P)	51063 – 0405
	121	AC OUTLET 3P	AKP1053
	H121, H122	HOLDER	RKR1003
	123	GROUND PLATE	VNF – 091

T TRANS TERMINAL ASSY

SEMICONDUCTORS

Mark	No.	Description	Parts No.
	IC103	(3A/125V)	AEK7015
	IC101, IC102	(5A/125V)	AEK7019
	D101 – D104		S5688G

CAPACITORS

Mark	No.	Description	Parts No.
	C106, C107		CEAS221M25
	C108, C109		CEAS221M50
	C101		CGCYX104M25

RESISTORS

Mark	No.	Description	Parts No.
		All Resistors	RD1/4PM□□□J

OTHERS

Mark	No.	Description	Parts No.
	103	CABLE HOLDER(3P)	51052 – 0300
	101, 102	CABLE HOLDER(5P)	51052 – 0500

R POWER SUPPLY ASSY

SEMICONDUCTORS

Mark	No.	Description	Parts No.
	Q151		2SA970
	Q152		2SC2240
	Q153		DTC143ES
	D151, D152		D5SBA20(B)
	D157		MTZJ24B
	D158		MTZJ6.8A
	D153 – D156		S5688G

CAPACITORS

Mark	No.	Description	Parts No.
	C155	(0.01µF/150V)	ACG1005
	C152, C153	(22000µF/50V)	ACH7057
	C159		CEAS101M25
	C160		CEAS101M50
	C157		CEAS102M63
	C158		CEAS221M50
	C161, C166 – C168		CGCYX104M25
	C151		CQMA473K2E
	C156	(2200pF/63V)	RCH1144

RESISTORS

Mark	No.	Description	Parts No.
	R171, R172		RD1/2PM682J
	R152		RS1LMF152J
	R160, R161		RS2LMF331J
		Other Resistors	RD1/4PU□□□J

OTHERS

Mark	No.	Description	Parts No.
	152	CABLE HOLDER(7P)	51063 – 0705
	153	CABLE HOLDER(12P)	51063 – 1205
	CN156	PIN JACK(3P)	AKB7085
	CN154	PLUG 8 – P	KM250MA8
	CN151	CONNECTOR(5P)	KPC5
	CN155	JUMPER CONNECTOR	KPC6
	CN152	CONNECTOR(12P)	KPE12
	CN153	CONNECTOR(7P)	KPE7
	JA151	HEADPHONE JACK	RKB1014
	154	PCB BINDER	VEF1040
	151	GROUND PLATE	VNF – 091

I CONNECTION ASSY

SEMICONDUCTORS

Mark	No.	Description	Parts No.
	Q651, Q652		DTC124ES

RESISTORS

Mark	No.	Description	Parts No.
		All Resistors	RS1/10S□□□J

OTHERS

Mark	No.	Description	Parts No.
	CN651	29P CONNECTOR	52044 – 2945
	CN652	19P PLUG	KM200TA19
	CN653	9P PLUG	KM200TA9
	CN656	CONNECTOR(10P)	KPE10
	CN654	CONNECTOR(14P)	KPE14
	CN657	CONNECTOR(3P)	KPE3
	CN655	CONNECTOR(9P)	KPE9

G MASTER VR ASSY

SEMICONDUCTORS

Mark	No.	Description	Parts No.
	IC1652 – IC1654		UPC4570C
	IC1656		NJM4558DX
	Q1657, Q1658		2SA1115
	Q1659, Q1660		2SC2603
	Q1651 – Q1656		2SC2878
	Q1663, Q1664		2SK246
	Q1661		DTA124ES
	Q1662, Q1665		DTC124ES
	D1659, D1660, D1663 – D1666		1SS355
	D1652, D1654, D1661		HSS104 – 02
	D1656		MTZJ5.1A

CAPACITORS

Mark	No.	Description	Parts No.
	C1678		CCSQCH331J50
	C1677, C1679		CCSQCH470J50
	C1675, C1676		CCSQCH681J50
	C1696		CEANP100M16
	C1694		CEAS100M25
	C1663 – C1668, C1681 – C1685		CEAS100M50
	C1697		CEAS220M50
	C1699, C1700		CEAS470M25
	C1686		CEAS470M50
	C1688		CEAS4R7M50
	C1712		CGCYX104M25
	C1690, C1692		CKSQYB103K50
	C1669 – C1674		CKSQYB104K25
	C1680		CKSQYB222K50
	C1695		CKSQYF104Z50
	C1715, C1716		CQMA471J50
	C1661		CQMA472J50

RESISTORS

Mark	No.	Description	Parts No.
	R1734		RD1/4PU331J
	VR1651	(50kΩ–A5×4+100kΩ–B)	ACX7031
	VR1652	(47kΩ/0.1W)	PCP1031
		Other Resistors	RS1/10S□□□J

OTHERS

Mark	No.	Description	Parts No.
	CN1655	13P SOCKET	KP200TA13L
	CN1654	7P SOCKET	KP200TA7L
	CN1652,CN1653	CONNECTOR(15P)	KPE15
	CN1650	CONNECTOR(3P)	KPE3
	CN1651	CONNECTOR(5P)	KPE5
	CN1656,CN1657	CONNECTOR(9P)	KPE9

J REGULATOR (1) ASSY

SEMICONDUCTORS

Mark	No.	Description	Parts No.
⚠	IC235	(500mA/125V)	AEK7005
	IC231		NJM78M12FA
	IC234		NJM79M15FA
	IC233		PQ20RV1E
	D231		HSS104 – 02

CAPACITORS

Mark	No.	Description	Parts No.
	C232		CEAS101M25
	C236, C238		CEAS470M25
	C235		CEASR33M50
	C231, C239		CKCYB103K50

RESISTORS

Mark	No.	Description	Parts No.
		All Resistors	RD1/4PU□□□J

OTHERS

Mark	No.	Description	Parts No.
	231	CABLE HOLDER(10P)	51052 – 1000

K REGULATOR (2) ASSY

SEMICONDUCTORS

Mark	No.	Description	Parts No.
	IC251		NJM78M12FA
	IC252		NJM78M56FA
	Q251, Q252		2SA1837

CAPACITORS

Mark	No.	Description	Parts No.
	C252		CEAS101M25
	C254		CEAS470M25
	C251, C253		CKCYB103K50

RESISTORS

Mark	No.	Description	Parts No.
	R251		RS2LMF100J
	R255		RS2LMF270J
	R254		RS2LMF390J
	R252		RS2LMF6R8J

OTHERS

Mark	No.	Description	Parts No.
	251	CABLE HOLDER(6P)	51063 – 0605
	8	PCB BINDER	VEF1040

F E VR ASSY

SEMICONDUCTORS

Mark	No.	Description	Parts No.
	IC611		UPC4570C
	IC615		NJM78L06A
	IC616		NJM79L06A
	IC607		TC9163AN
	IC608 – IC610		TC9299P
	IC602, IC612		UPC4570C
	IC613, IC614		UPC4570G2
	Q601, Q602		2SC2458
	Q603, Q604		2SC2878
	Q605		DTA124ES
	D601		1SS355
	D603 – D606		HSS104 – 02
	D602		MTZJ5.1B

CAPACITORS

Mark	No.	Description	Parts No.
	C667, C668		CEAS101M25
	C1601		CEAS1R0M50
	C1602, C1603		CEAS2R2M50
	C697, C698		CEAS470M25
	C653 – C656, C659, C660		CEAS4R7M50
	C683 – C694		CEAS4R7M50
	C661, C664, C671, C678		CKSQYB102K50
	C617, C618, C657, C658		CKSQYB103K50
	C665, C666, C672, C673		CKSQYB103K50
	C679, C680, C695, C696		CKSQYB103K50
	C1605, C1606		CKSQYB152K50
	C651, C652, C662, C663		CKSQYF473Z50
	C669, C670, C676, C677		CKSQYF473Z50
	C1607, C1608		CQMA104J50
	C1609, C1610		CQMA332J50

RESISTORS

Mark	No.	Description	Parts No.
	R695, R696		RS1LMF101J
		Other Resistors	RS1/10S□□□J

OTHERS

Mark	No.	Description	Parts No.
	610	CABLE HOLDER(14P)	51063 – 1405
	CN609	11PJUMPER CONNECTOR	52147 – 1110
	CN608	15PJUMPER CONNECTOR	52147 – 1510
	CN603	10P PLUG	KM200TA10
	CN604	12P PLUG	KM200TA12
	CN606, CN612	13P PLUG	KM200TA13
	CN602	17P PLUG	KM200TA17
	CN601	18P PLUG	KM200TA18
	CN605	5P PLUG	KM200TA5
	CN607	7P PLUG	KM200TA7
	CN611	PLUG 5 – P	KM250MA5
	CN613	JUMPER CONNECTOR 3 – P	KPC3

L REGULATOR (3) ASSY

SEMICONDUCTORS

Mark	No.	Description	Parts No.
	IC253, IC254		PQ20RV1E
	D251, D252		HSS104 – 02

CAPACITORS

Mark	No.	Description	Parts No.
	C256, C258		CEAS470M25
	C255, C257		CEASR33M50

RESISTORS

Mark	No.	Description	Parts No.
		All Resistors	RD1/4PU□□□J

OTHERS

Mark	No.	Description	Parts No.
	252	CABLE HOLDER(5P)	51063 – 0505

M V-AMP ASSY

SEMICONDUCTORS

Mark	No.	Description	Parts No.
	IC701		UPC4570G2
	Q703 – Q706		2SA970
	Q701, Q702, Q707, Q708		2SC2240
	D701 – D708		1SS355

CAPACITORS

Mark	No.	Description	Parts No.
	C701, C702		CCSQCH221J50
	C703, C704		CCSQCH470J50
	C705, C706		CEAS4R7M50
	C707, C708, C710, C711		CKSQYB103K50

RESISTORS

Mark	No.	Description	Parts No.
		All Resistors	RS1/10S□□□J

OTHERS

Mark	No.	Description	Parts No.
	CN701	13P SOCKET	KP200TA13L

O CURR DRIVE ASSY

SEMICONDUCTORS

Mark	No.	Description	Parts No.
	IC1051,IC1052 (5A/125V)		AEK7019
	Q1051 – Q1055		2SA970
	Q1056, Q1057		2SC2458
	D1051 – D1070		1SS355

COILS AND FILTERS

Mark	No.	Description	Parts No.
	L1051 – L1055 (1.5µH)		ATH1053

CAPACITORS

Mark	No.	Description	Parts No.
	C1066		CEANP101M10
	C1091, C1092		CEAS470M63
	C1051 – C1055		CEASR22M50
	C1056 – C1065		CFTXA224J50

RESISTORS

Mark	No.	Description	Parts No.
	R1066 – R1075 (0.1Ω/2W)		ACN7027
	R1096 – R1100RS1LMF4R7J		
	VR1051–VR1055 (2.2kΩ/0.1W)		RCP1019
		Other Resistors	RS1/10S□□□J

OTHERS

Mark	No.	Description	Parts No.
	1051	CABLE HOLDER (15P)	51063–1505
	CN1051	14P PLUG	KM200TA14
	KN1001	EARTH METAL FITTING	VNF1084

N VOLTAGE AMP ASSY

SEMICONDUCTORS

Mark	No.	Description	Parts No.
	Q916 – Q920		2SA1048
	Q1062, Q943, Q944		2SA965
	Q901 – Q910, Q921 – Q925		2SA970
	Q936 – Q940		2SA970
	Q1061, Q941, Q942		2SC2235
	Q926 – Q935, Q947		2SC2240
	Q911 – Q915, Q945		2SC2458
	Q946		DTA124ES
	D911 – D925, D927 – D930		1SS355
	D951 – D960		1SS355
	D935		UDZ16B
	D931, D932, D938, D939		UDZ22B
	D933, D934, D936, D937		UDZ24B
	D941 – D945		UDZ6.8B
	D946 – D950		UDZ8.2B

CAPACITORS

Mark	No.	Description	Parts No.
	C1071 – C1080		CCCSL181K2H
	C951 – C960		CCCSL560K2H
	C966 – C970		CCCSL5R0C2H
	C981 – C985		CCSQCH101J50
	C1089, C1090		CEAS101M50
	C971		CEAS470M2A
	C931 – C935, C941 – C945		CEJA100M50
	C961 – C965		CEJA101M16
	C1086, C1087		CEJA1R0M50
	C1081 – C1085, C1101 – C1105		CEJA470M16
	C946 – C950		CKSQYB182K50
	C936 – C940		CKSQYB221K50
	C976 – C980		CKSQYB222K50
	C1088		CKSQYF223Z50

RESISTORS

Mark	No.	Description	Parts No.
	R1201, R1202		RD1/4LMF472J
	R1126 – R1130		RD1/4MUF473J
	R1153, R1154		RD1/4MUF4R7J
		Other Resistors	RS1/10S□□□J

OTHERS

Mark	No.	Description	Parts No.
	901	CABLE HOLDER(6P)	51052 – 0600
	902	CABLE HOLDER(5P)	51063 – 0505
	903	CABLE HOLDER(15P)	51063 – 1505
	CN904	14P SOCKET	KM250MA3
	CN903	PLUG 3 – P	KP200TA14L
	CN901	CONNECTOR(15P)	KPE15
		PCB BINDER	VEF1040

H DOLBY DIGATAL ASSY

SEMICONDUCTORS

Mark	No.	Description	Parts No.
	IC9401,IC9431,IC9461		AK4319 – VM
	IC9251		AK5340 – VS
	IC9121		CD0004AF
	IC9361		KM62V256CLG – 7L
	IC9091		LH52256AN – 70LL
	IC9301		MB86342A
	IC9201,IC9221		NJM2100M
	IC9041,IC9411,IC9441,IC9471,IC960		NJM4558MD
	IC9621,IC9641		NJM4558MD
	IC9501		PA4025A
	IC9071		PM4007A
	IC9371		TC74HCT244AF
	IC9103		TC74HCU04AF
	IC9381		TC74LVX244FS
	Q9007, Q9241, Q9401, Q9431, Q9461		2PB709A
	Q9003, Q9031, Q9032, Q9242, Q9402		2PD601A
	Q9432, Q9462		2PD601A
	Q9201, Q9221, Q9601, Q9611, Q9621		2SC3326
	Q9631, Q9641, Q9651		2SC3326
	Q9001, Q9002, Q9004 – Q9006		2SC3802K

Mark	No.	Description	Parts No.
	Q9304		DTA124EK
	Q9251, Q9301 – Q9303		DTC124EK
	D9401, D9431		1SS181
	D9002		1SS355
	D9001		KV1851

COILS AND FILTERS

Mark	No.	Description	Parts No.
	F9001	(2.88MHz)	ATF7001
	F9301, F9302, F9371		ATF7013
	L9003	(68µH)	ATH7001
	L9301, L9801 – L9811		ATL7001
	L9302		LCTBR47K2125
	L9200, L9201, L9221, L9252 – L9254		OTL1040
	L9402, L9432, L9462, L9601, L9611		OTL1040
	L9621, L9631, L9641, L9651		OTL1040
	L9004, L9005, L9071, L9091, L9103		VTL1019
	L9108, L9121, L9251, L9361, L9371		VTL1019
	L9380, L9401, L9431, L9461, L9661		VTL1019

CAPACITORS

Mark	No.	Description	Parts No.
	C9105, C9122, C9126, C9159, C9160		CCSQCH101J50
	C9255, C9263, C9302, C9309, C9312		CCSQCH101J50
	C9315, C9318, C9321, C9361, C9381		CCSQCH101J50
	C9401, C9406, C9431, C9436, C9461		CCSQCH101J50
	C9466		CCSQCH101J50
	C9511, C9521, C9541, C9551, C9571		CCSQCH102J50
	C9606, C9616, C9626, C9636, C9646		CCSQCH102J50
	C9656		CCSQCH102J50
	C9125, C9203, C9223, C9305, C9306		CCSQCH220J50
	C9412 – C9414, C9422 – C9424		CCSQCH221J50
	C9442 – C9444, C9452 – C9454		CCSQCH221J50
	C9472 – C9474, C9482		CCSQCH221J50
	C9057		CCSQCH270J50
	C9151, C9152, C9512, C9522, C9542		CCSQCH271J50
	C9552, C9572, C9702, C9704, C9709		CCSQCH271J50
	C9603, C9613, C9623, C9633, C9643		CCSQCH391J50
	C9705		CCSQCH470J50
	C9326		CCSQCH471J50
	C9307, C9308, C9375		CCSQCH560J50
	C9007		CCSQCH750J50
	C9053		CEANP470M25
	C9257, C9301		CEAS471M6R3
	C9107, C9128, C9201, C9221, C9403		CEV100M16
	C9405, C9408, C9433, C9435, C9438		CEV100M16
	C9463, C9465, C9468, C9502, C9504		CEV100M16
	C9602, C9605, C9612, C9615, C9622		CEV100M16
	C9625, C9632, C9635, C9642, C9645		CEV100M16
	C9652, C9655		CEV100M16
	C9016		CEV100M35
	C9071, C9091, C9262		CEV101M6R3
	C9415, C9425, C9445, C9455, C9475		CEV220M16
	C9485		CEV220M16
	C9241		CEV221M4
	C9801, C9802		CEV330M25
	C9111, C9242, C9363, C9373, C9383		CEV470M6R3

Mark	No.	Description	Parts No.
	C9031, C9371, C9712		CKSQYB102K50
	C9014, C9054, C9056, C9092, C9101		CKSQYB103K50
	C9103, C9701, C9703, C9706 – C9708		CKSQYB103K50
	C9153, C9154, C9581		CKSQYB104K25
	C9205, C9225		CKSQYB152K50
	C9483, C9484		CKSQYB223K50
	C9582		CKSQYB273K50
	C9653		CKSQYB393K50
	C9121		CKSQYB104K25
	C9001 – C9006, C9008 – C9013, C9015		CKSQYF104Z25
	C9017, C9018, C9043, C9051, C9052		CKSQYF104Z25
	C9055, C9058, C9073 – C9081, C9106		CKSQYF104Z25
	C9110, C9123, C9127, C9202, C9204		CKSQYF104Z25
	C9222, C9224, C9251, C9253, C9256		CKSQYF104Z25
	C9259, C9303, C9310, C9313, C9316		CKSQYF104Z25
	C9319, C9322, C9324, C9362, C9372		CKSQYF104Z25
	C9382, C9402, C9404, C9407, C9409		CKSQYF104Z25
	C9411, C9421, C9432, C9434, C9437		CKSQYF104Z25
	C9439, C9441, C9451, C9462, C9464		CKSQYF104Z25
	C9467, C9469, C9471, C9481, C9501		CKSQYF104Z25
	C9503, C9601, C9611, C9621, C9631		CKSQYF104Z25
	C9641, C9651		CKSQYF104Z25
	C9041, C9042		CKSQYF105Z16

RESISTORS

Mark	No.	Description	Parts No.
		All Resistors	RS1/10S☐☐☐J

OTHERS

Mark	No.	Description	Parts No.
	CN9801	11PJUMPER CONNECTOR	52147 – 1110
	CN9661	15PJUMPER CONNECTOR	52147 – 1510
	JA9000	PIN JACK(3P)	AKB7092
		DOLBY DIGITAL PCB	ANP7176
	X9301	CRYSTAL RESONATOR (18.432MHz)	ASS1035
	X9001	CRYSTAL FOR VCXO (18.432MHz)	ASS7009
	CN9301	CONNECTOR(10P)	KPE10
	JA9104	OPTICAL RECEIV MOD.	TORX176

U FM/AM TUNER MODULE

SEMICONDUCTORS

Mark	No.	Description	Parts No.
	IC6201		LA1836M
	IC6202		LM7001J
	Q6102		2SC2223
	Q6203		2SC2235
	Q6202		2SC2712
	Q6103, Q6214		2SC2714
	Q6201		2SK208
	Q6104		2SK302
	Q6101		3SK194
	Q6204		XDA124EK
	Q6217		XDC124EK
	D6101, D6102		1T33

COILS AND FILTERS

Mark	No.	Description	Parts No.
	L6104		ATC1003
	L6101		ATC1020
	L6102		ATC1021
	L6207	(10.7MHz)	ATE1013
	F6203, F6204		ATF – 119
	F6101		ATF – 155
	F6202	(450kHz)	ATF1156
	L6103	(2.2μH)	ATH1043
	L6202, L6203, L6208		LCTA2R2J3225

TRANSFORMERS

Mark	No.	Description	Parts No.
	T6101		ATE – 063

CAPACITORS

Mark	No.	Description	Parts No.
	C6202, C6234, C6236	(1μF/16V)	ACG1051
	C6229		CCSCH821J50
	C6107		CCSCK1R0C50
	C6108, C6203, C6268		CCSQCH101J50
	C6111, C6116, C6208, C6221, C6222		CCSQCH150J50
	C6115		CCSQCH330J50
	C6101		CCSQCH5R0C50
	C6110		CCSQCK2R0C50
	C6114		CCSQRH080D50
	C6113		CCSQRH180J50
	C6105		CCSQTH150J50
	C6224, C6246, C6262		CEAS100M50
	C6227		CEAS101M10
	C6261		CEAS1R0M50
	C6216, C6217		CEAS330M16
	C6231, C6233		CEAS3R3M50
	C6219		CEAS470M10
	C6243 – C6245		CEAS470M16
	C6238		CEJA100M16
	C6249, C6250		CEJA4R7M35
	C6215		CFTXA103J50
	C6214		CFTXA224J50
	C6103, C6106, C6112, C6204		CKSQYB102K50
	C6102, C6109, C6117, C6210, C6264		CKSQYB103K50
	C6213		CKSQYB223K50
	C6230		CKSQYB393K50
	C6228, C6252		CKSQYB472K50
	C6209, C6237, C6265, C6267		CKSQYB473K50
	C6212, C6218		CKSQYF103Z50
	C6220, C6226, C6239, C6242, C6255		CKSQYF223Z50
	C6235		CKSQYF224Z25
	C6225, C6241, C6266		CKSQYF473Z50
	C6232		CKSYB393K50
	C6251		CKSYB472K50
	C6223		CKSYF103Z50
	C6263		CKSYF473Z50

RESISTORS

Mark	No.	Description	Parts No.
	R6299, R6300		RD1/4PU102J
	R6113, R6116, R6118, R6268 – R6271		RS1/8S0R0J
	R6275, R6276, R6278, R6283, R6284		RS1/8S0R0J
	R6290, R6293, R6294, R6297		RS1/8S0R0J
	R6243, R6244		RS1/8S101J
	R6211		RS1/8S103J
	R6237		RS1/8S182J
	R6209		RS1/8S221J
	R6239		RS1/8S332J
	R6101		RS1/8S470J
	VR6201	(10kΩ/0.1W)	ACP1056
	VR6202		VRTB6VS223
		Other Resistors	RS1/10S□□□J

OTHERS

Mark	No.	Description	Parts No.
	BN6201	TERMINAL 4 – P	AKE7028
	X6203	CRYSTAL RESONATOR (7.2000MHz)	ASS1042
	X6201	CRYSTAL RESONATOR (456kHz)	ASS1066
	X6202	CERAMIC RESONATOR (450kHz)	ATF1027
	CN6201	14P SOCKET	KP200IA14L
	8001	AM RF TUNING BLOCK	AXX1025

6. ADJUSTMENT

6.1 TUNER ADJUSTMENT

■ ADJUSTMENT OF FM TUNER SECTION

- Set the FM/AM selector to FM BAND.
- Connect the wiring as shown in Fig. 6–1.

Step No.	Adjustment Title	FM SG (1kHz. ±75kHz dev.)		Reception Frequency Display	Adjustment Location	Specifications
		Frequency (MHz)	Level (dBμV)			
1	Center Adjustment	98 Non modulation	80 or more	–	L6207	Adjust so that the DC voltage between IC6201-Pin 4 and Pin 28 (or + leads of C6224 and C6261) becomes 0V±50mV.
2	Front End Sensitivity adjustment	98	Low input (0 to 30)	98MHz	L6102 T6101	Adjust so that the DC voltage between IC6201-Pin 12 and GND (or + leads of C6238 and GND) becomes at maximum level.
3	Stereo Distortion	98	80	98MHz	T6101	Minimize the distortion with 1/8 rotation of the core.
4	TUNED IND. Lighting Level	98	15 (±2dB)	98MHz	VR6201	Adjust so that the indicator of TUNED IND. starts to light up.

Notes:

- *Before adjusting, make sure there is no gap between L6101 and L6102 . If there is a gap between them, bring them into contact with each other first, and then make adjustments.*
- *Make indicator adjustments in order of AM → FM.*

■ ADJUSTMENT OF AM TUNER SECTION

- Set the FM/AM selector to AM BAND.
- Connect the wiring as shown in Fig. 6–1.

Step No.	Adjustment Title	AM SG (400Hz, 30% Mod.)		Reception Frequency Display	Adjustment Location	Specifications
		Frequency (kHz)	Level (dBμV/m)			
1	TUNED IND. Lighting Level	999*1	47(±2dB)	999kHz*1	VR6202	Adjust so that the indicator of TUNED IND. starts to light up.

**1: For the area using 10kHz step, frequencies should be 1000kHz*

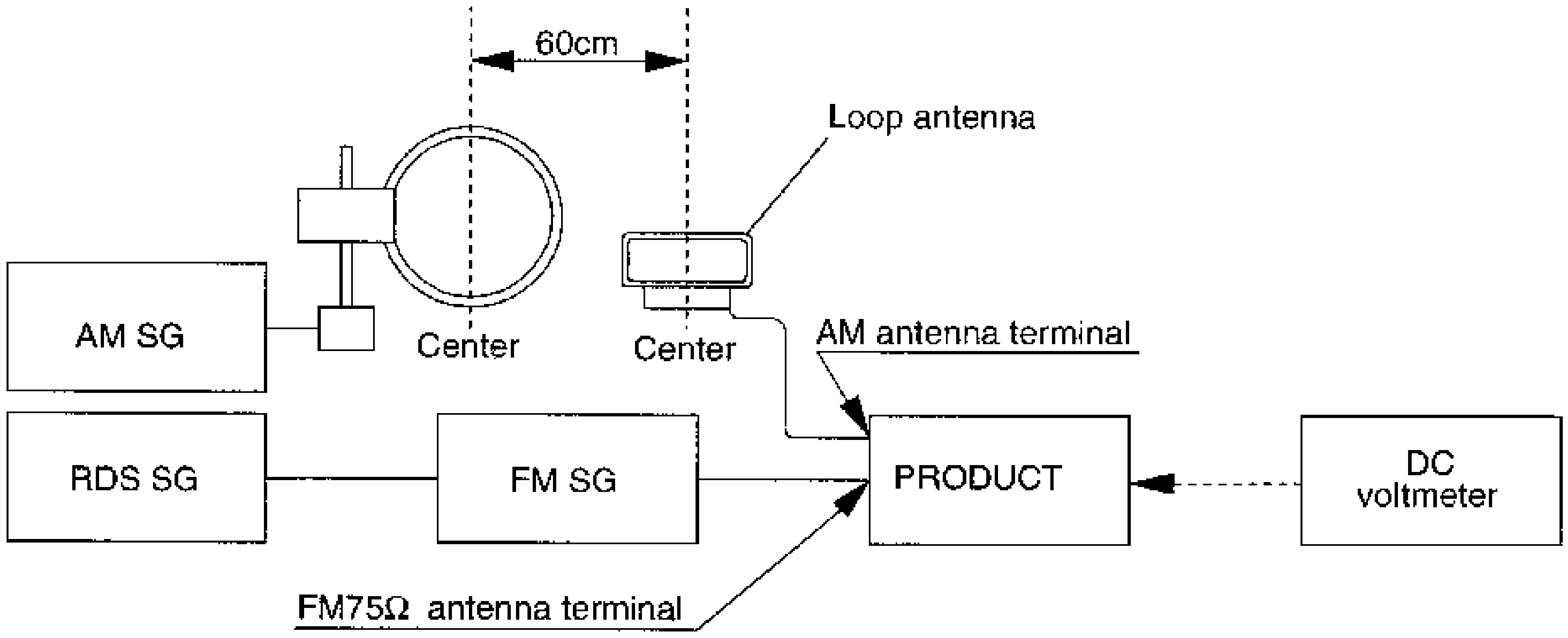

60cm
Loop antenna
AM SG
Center
Center
AM antenna terminal
RDS SG
FM SG
PRODUCT
DC voltmeter
FM75Ω antenna terminal

Fig. 6–1 AM and FM Adjustment Wiring Diagram

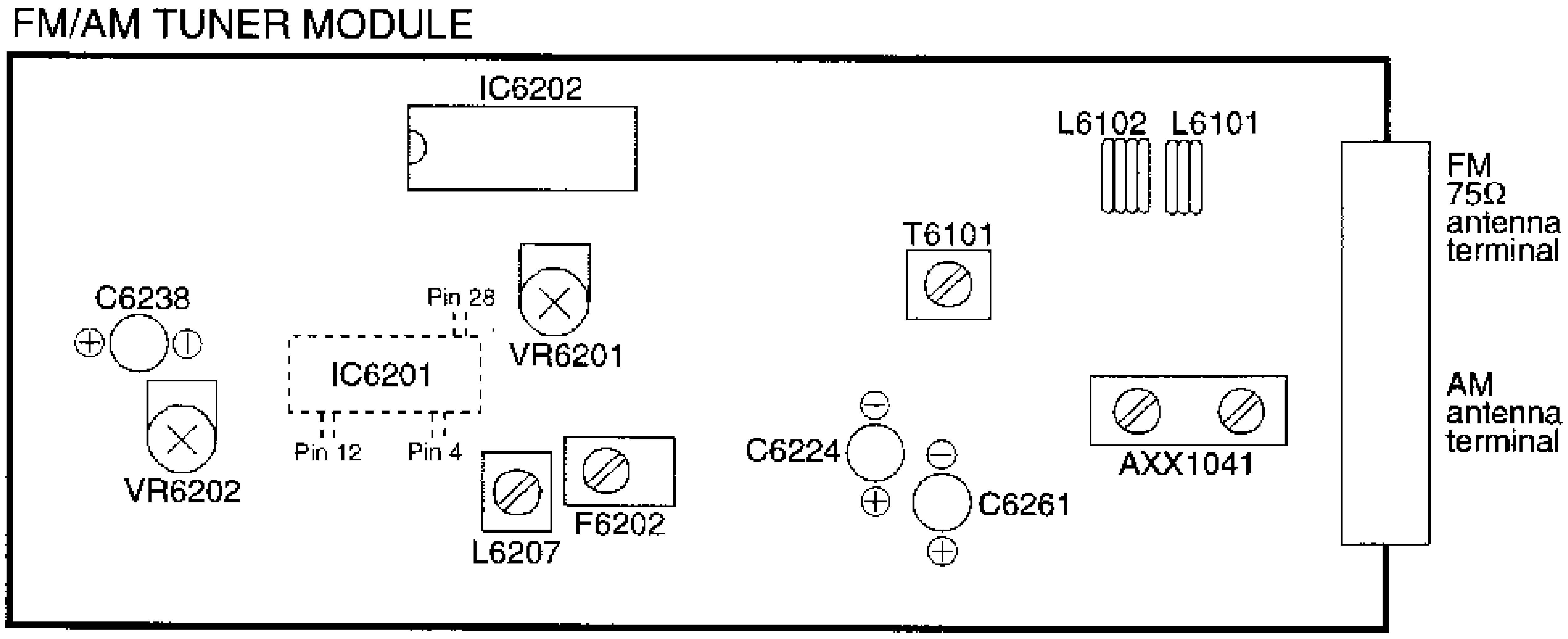

FM/AM TUNER MODULE
IC6202
L6102
L6101
T6101
FM 75Ω antenna terminal
C6238
Pin 28
VR6201
IC6201
Pin 12
Pin 4
VR6202
L6207
F6202
C6224
C6261
AXX1041
AM antenna terminal

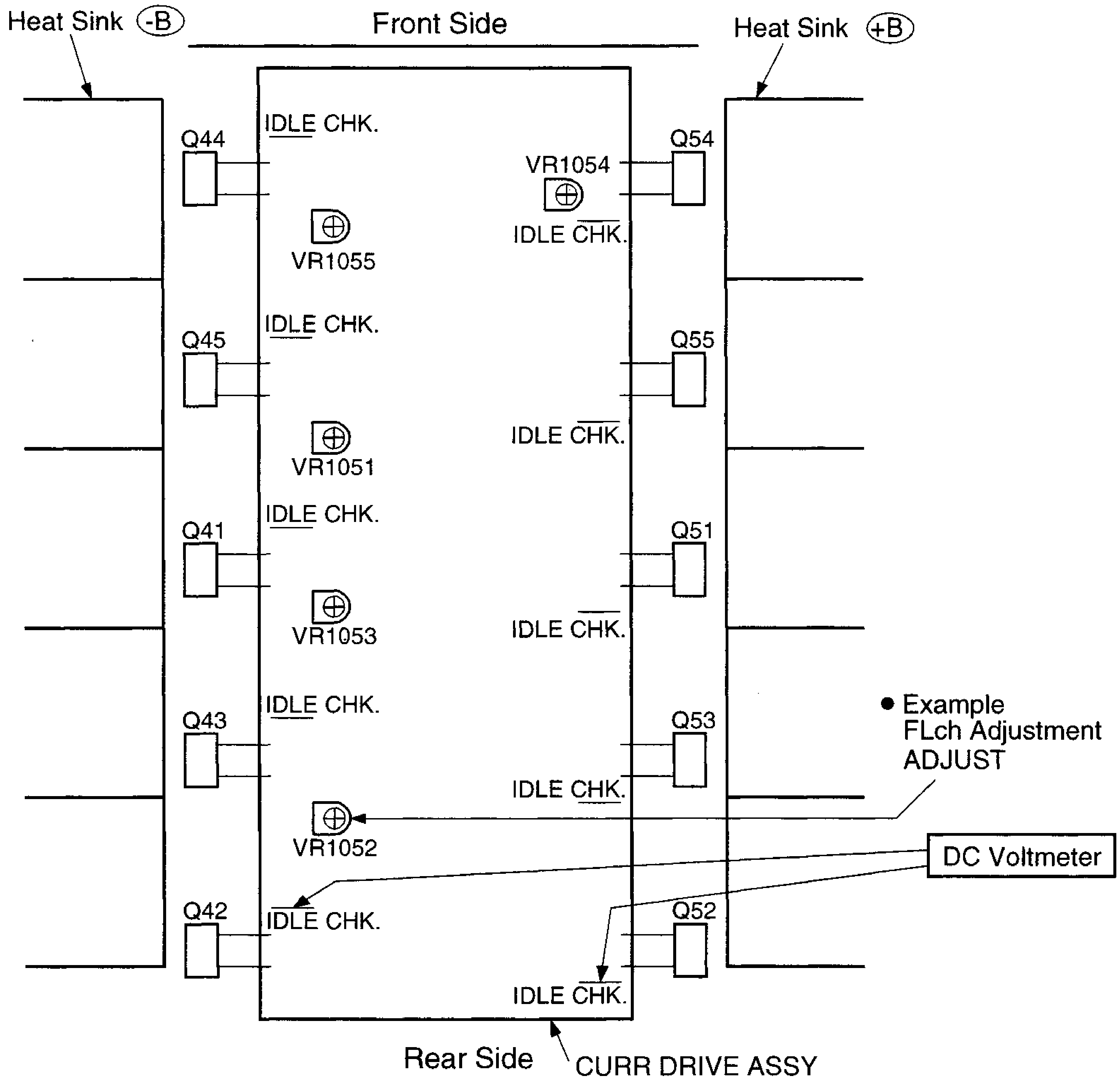
Fig. 6–2 Adjustment Points

6.2 IDLE CURRENT ADJUSTMENT

- CAUTION : Heatsinks' DC level is equal to +B or -B.
  Don't touch them or you will be electricary shocked.

1. Decrease the level of the Adjustment Variable resistor (VR) for the channel to be adjusted.(⊕ Turn counterclockwise.)
2. Set the power switch to ON.
3. While looking at voltage of the adjustment point shown below, gradually turn the Adjustment VR toward the right. Stop at 20mV.
4. Ages for ten minutes.
5. Readjust the voltage to 10 ± 1mV after ten minutes. Adjustment is completed.

ADJUSTMENT ch	ADJUSTMENT VR	ADJUSTMENT POINT
FLch	VR1052	Voltage between IDLE CHK of Q42 and Q52, the terminal with a silk mark.
FRch	VR1053	Voltage between IDLE CHK of Q43 and Q53, the terminal with a silk mark.
Cch	VR1051	Voltage between IDLE CHK of Q41 and Q51, the terminal with a silk mark.
SRch	VR1055	Voltage between IDLE CHK of Q45 and Q55, the terminal with a silk mark.
SLch	VR1054	Voltage between IDLE CHK of Q44 and Q54, the terminal with a silk mark.


Heat Sink -B
Front Side
Heat Sink +B
Q44
IDLE CHK.
Q54
VR1054
IDLE CHK.
VR1055
Q45
IDLE CHK.
Q55
IDLE CHK.
VR1051
Q41
IDLE CHK.
Q51
VR1053
IDLE CHK.
Q43
IDLE CHK.
Q53
IDLE CHK.
VR1052
Q42
IDLE CHK.
Q52
IDLE CHK.
• Example
FLch Adjustment
ADJUST
DC Voltmeter
Rear Side
CURR DRIVE ASSY

7. GENERAL INFORMATION

7.1 PARTS

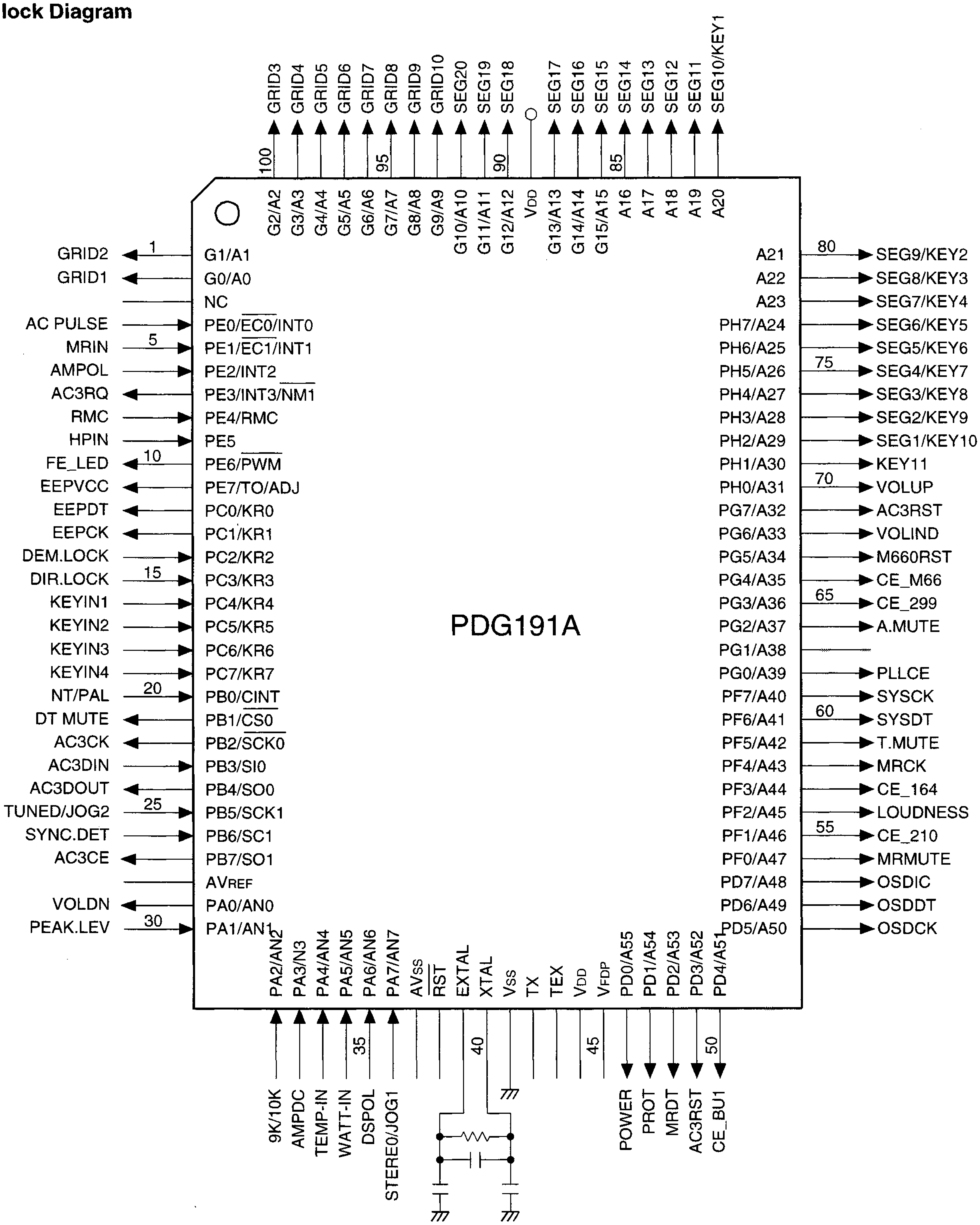
7.1.1 IC

■ PDG191A (FL-UCOM ASSY : IC801)

● RECEIVER CONTROL μ-COM

- The information shown in the list is basic information and may not correspond exactly to that shown in the schematic diagrams.

● Block Diagram


PDG191A
GRID3
GRID4
GRID5
GRID6
GRID7
GRID8
GRID9
GRID10
SEG20
SEG19
SEG18
SEG17
SEG16
SEG15
SEG14
SEG13
SEG12
SEG11
SEG10/KEY1
100
95
90
85
G2/A2
G3/A3
G4/A4
G5/A5
G6/A6
G7/A7
G8/A8
G9/A9
G10/A10
G11/A11
G12/A12
VDD
G13/A13
G14/A14
G15/A15
A16
A17
A18
A19
A20
GRID2
GRID1
AC PULSE
MRIN
AMPOL
AC3RQ
RMC
HPIN
FE_LED
EEPVCC
EEPDT
EEPCK
DEM.LOCK
DIR.LOCK
KEYIN1
KEYIN2
KEYIN3
KEYIN4
NT/PAL
DT MUTE
AC3CK
AC3DIN
AC3DOUT
TUNED/JOG2
SYNC.DET
AC3CE
VOLDN
PEAK.LEV
1
5
10
15
20
25
30
G1/A1
G0/A0
NC
PE0/EC0/INT0
PE1/EC1/INT1
PE2/INT2
PE3/INT3/NM1
PE4/RMC
PE5
PE6/PWM
PE7/TO/ADJ
PC0/KR0
PC1/KR1
PC2/KR2
PC3/KR3
PC4/KR4
PC5/KR5
PC6/KR6
PC7/KR7
PB0/CINT
PB1/CS0
PB2/SCK0
PB3/SI0
PB4/SO0
PB5/SCK1
PB6/SC1
PB7/SO1
AVREF
PA0/AN0
PA1/AN1
A21
A22
A23
PH7/A24
PH6/A25
PH5/A26
PH4/A27
PH3/A28
PH2/A29
PH1/A30
PH0/A31
PG7/A32
PG6/A33
PG5/A34
PG4/A35
PG3/A36
PG2/A37
PG1/A38
PG0/A39
PF7/A40
PF6/A41
PF5/A42
PF4/A43
PF3/A44
PF2/A45
PF1/A46
PF0/A47
PD7/A48
PD6/A49
PD5/A50
80
75
70
65
60
55
SEG9/KEY2
SEG8/KEY3
SEG7/KEY4
SEG6/KEY5
SEG5/KEY6
SEG4/KEY7
SEG3/KEY8
SEG2/KEY9
SEG1/KEY10
KEY11
VOLUP
AC3RST
VOLIND
M660RST
CE_M66
CE_299
A.MUTE
PLLCE
SYSCK
SYSDT
T.MUTE
MRCK
CE_164
LOUDNESS
CE_210
MRMUTE
OSDIC
OSDDT
OSDCK
PA2/AN2
PA3/N3
PA4/AN4
PA5/AN5
PA6/AN6
PA7/AN7
AVSS
RST
EXTAL
XTAL
VSS
TX
TEX
VDD
VFDP
PD0/A55
PD1/A54
PD2/A53
PD3/A52
PD4/A51
35
40
45
50
9K/10K
AMPDC
TEMP-IN
WATT-IN
DSPOL
STEREO/JOG1
POWER
PROT
MRDT
AC3RST
CE_BU1

● Pin Function

No.	Name		I/O	Function
1	G11	G1/A1	O	FL grid output 2.
2	G12	G0/A0	O	FL grid output 1.
3	NC	NC	-	5V.
4	WAKEUP	PE0/EC0/INT0	I	AC pulse input.
5	MRIN	PE1/EC1/INT1	I	Sub room remote control input.
6	AMP OVERLOAD	PE2/INT2	I	AMP overload detect A/D input.
7	AC3REQ	PE3/INT3/NMI	I	Requests communications to the microprocessor in the main unit from AC3. (L: Request for communication)
8	RMS	PE4/RMC	I	Remote control input.
9	HPIN	PE5	I	Headphone connect detect. H : connect
10	LFE LED	PE6/PWM	O	LED lights up during playback of AC3 or partial playback of LEF.
11	EEPVCC	PE7/TO/ADJ	O	
12	EEPDT	PC0/KR0	O	Data for communications with EEPROM.
13	EEPCK	PC1/KR1	O	Clock for communications with EEPROM.
14	DEM.LOCK	PC2/KR2	I	Inputs "L" when demodulator IC is locked to RF signal.
15	DIR.LOCK	PC3/KR3	I	Inputs "L" when DIR is locked to digital input signal.
16	KEYIN1	PC4/KR4	I	KEY scan input 1.
17	KEYIN2	PC5/KR5	I	KEY scan input 2.
18	KEYIN3	PC6/KR6	I	KEY scan input 3.
19	KEYIN4	PC7/KR7	I	KEY scan input 4.
20	NT/PAL	PB0/CINT	I	NTSC/PAL switching. (L : PAL)
21	91620N	PB1/CS0	O	Sets to "H" when data are transferred to TC9162 (2).
22	AC3CK	PB2/SCK0	O	Clock for communications of AC3 microcomputer.
23	AC3DIN	PB3/SI0	I	Data in for communications of AC3 microcomputer.
24	AC3DOUT	PB4/SO0	O	Data out for communications of AC3 microcomputer.
25	TUNED/JOG2	PB5/SCK1	I	TUNER : TUNER input. (L : TUNED)/JOG2 : Port data input
26	SYNC.DEC	PB6/SC1	I	Detection of synchronizing signal (L: Signal detected)
27	AC3CE	PB7/SO1	O	Chip selection for communications with AC3 IC module.
28	AVREF	AVREF	-	5V.
29	VOLDOWN	PA0/AN0	O	Master Volume (electrically operated) DOWN output.
30	PEAK.LEV	PA1/AN1	I	
31	9K/10K	PA2/AN2	I	Switching frequency steps of the tuner. (AM L : 9K H : 10K, FM L : 50K H : 100K)
32	AMP DC DETECT	PA3/AN3	I	Detection of AMP power error, A/D input.
33	TEMP-IN	PA4/AN4	I	Fan temperature input, A/D input.
34	WATT-IN	PA5/AN5	I	Fan wattage input, A/D input.
35	DSP OVERLOAD	PA6/AN6	I	DSP overload detect. A/D input.
36	JOG1/STEREO	PA7/AN7	I	JOG1: Port data input/TUNER: Stereo input (L: Receiving broadcasting in stereo).
37	GND	AVSS	-	GND.
38	RST	RST	I	Reset.
39	EXTAL	EXTAL	-	Oscillator 8MHz.
40	XTAL	XTAL	-	Oscillator 8MHz.
41	GND	VSS	-	GND.
42	TX	TX	O	Open.
43	TEX	TEX	I	GND.
44	VDD	VDD	-	5V.
45	VFDP	VFDP	-	-30V.
46	POWER	PD0/A55	O	AC relay ON/OFF.
47	PROT	PD1/A54	O	Protection relay ON/OFF.
48	MRDT	PD2/A53	O	Data for IC. BU4094, TC9210, LM7001 (TUNER) control.
49	AC3STP	PD3/A52	O	Stops crystal oscillation of IC module for AC3 and internal PLL oscillation.
50	CE BUI	PD4/A51	O	Strobe output for extended IC BU4094 (1).

PDG191A

No.	Name		I/O	Function
51	OSD CK	PD5/A50	O	Clock for communications with OSD IC.
52	OSD DT	PD6/A49	O	Data for communications with OSD IC.
53	OSD CE	PD7/A48	O	Chip selection for communications with OSD IC.
54	MRMUTE	PF0/A47	O	Mute for sub room.
55	CE 210	PF1/A46	O	Strobe output for TC9210.
56	LOUDNESS	PF2/A45	O	LOUDNESS ON/OFF, during operation : H
57	CE 164	PF3/A44	O	Strobe output for TC9162 and TC9164.
58	MRCK	PF4/A43	O	Clock for IC. BU4094, TC9210, LM7001 (TUNER) control.
59	T.MUTE	PF5/A42	O	Tuner mute ON/OFF.
60	SYSDT	PF6/A41	O	Data for IC. TC system, M66311 control.
61	SYSCK	PF7/A40	O	Clock for IC. TC system, M66311 control.
62	PLLCE	PG0/A39	O	Chip selection for tuner IC.
63	CE 163	PG1/A38	O	Strobe output for TC9163.
64	AMUTE	PG2/A37	O	Audio mute ON/OFF.
65	CE 299	PG3/A36	O	Strobe output for TC9299.
66	CE M66	PG4/A35	O	Strobe output for M66311.
67	M660RST	PG5/A34	O	IC output enable signal for M66311 (H: Enabled).
68	VOLIND	PG6/A33	O	Volume IND. control.
69	AC3RST	PG7/A32	O	IC module reset output for AC3.
70	VOLUP	PH0/A31	O	Master Volume (electrically operated) UP output.
71	KEY11	PH1/A30	O	KEY scan output 11.
72	SEG1/KEY10	PH2/A29	O	Segment output 1/KEY scan output 10.
73	SEG2/KEY9	PH3/A28	O	Segment output 2/KEY scan output 9.
74	SEG3/KEY8	PH4/A27	O	Segment output 3/KEY scan output 8.
75	SEG4/KEY7	PH5/A26	O	Segment output 4/KEY scan output 7.
76	SEG5/KEY6	PH6/A25	O	Segment output 5/KEY scan output 6.
77	SEG6/KEY5	PH7/A24	O	Segment output 6/KEY scan output 5.
78	SEG7/KEY4	A23	O	Segment output 7/KEY scan output 4.
79	SEG8/KEY3	A22	O	Segment output 8/KEY scan output 3.
80	SEG9/KEY2	A21	O	Segment output 9/KEY scan output 2.
81	SEG10/KEY1	A20	O	Segment output 10/KEY scan output 1.
82	SEG11	A19	O	Segment output 11.
83	SEG12	A18	O	Segment output 12.
84	SEG13	A17	O	Segment output 13.
85	SEG14	A16	O	Segment output 14.
86	SEG15	G15/A15	O	Segment output 15.
87	SEG16	G14/A14	O	Segment output 16.
88	SEG17	G13/A13	O	Segment output 17.
89	VDD	VDD	-	5V
90	SEG18	G12/A12	O	Segment output 18.
91	SEG19	G11/A11	O	Segment output 19.
92	SEG20	G10/A10	O	Segment output 20.
93	G10	G9/A9	O	Timing output 10.
94	G9	G8/A8	O	Timing output 9.
95	G8	G7/A7	O	Timing output 8.
96	G7	G6/A6	O	Timing output 7.
97	G6	G5/A5	O	Timing output 6.
98	G5	G4/A4	O	Timing output 5.
99	G4	G3/A3	O	Timing output 4.
100	G3	G2/A2	O	Timing output 3.

■ M66311FP (FL-UCOM ASSY : IC803)

● LED DRIVER

● Pin Function

No.	Name	Function
1	MR IND.	LED lights up when Multiroom mode is ON. L : LED lights up.
2	LEF IND.	LED lights up if LFE component is detected during decoding of AC3 signal. "L": LED lights up.
3	Vcc	Power supply +5V.
4	DATA	Data line for communications with microcomputer.
5	OE	Output enable/disable signal, L : Fixed to "L" (output enabled).
6	LATCH	Strobe line for communications with microcomputer.
7	RESET	Reset input. Temporarily sets to "L" when the power switch is set to ON. After that, fixed to "H".
8	CLOCK	Clock line for communications with microcomputer.
9	GND	GND.
10		Fixed to "H".
11	HP RY.	Headphone relay. H : relay ON
12	S/C RY.	R/C relay. H : relay ON
13	Speaker B RY.	Speaker B relay. H : relay ON
14	Speaker A RY.	Speaker A relay. H : relay ON
15	FAN	FAN control. H : ON
16	MPX	Tuner (FM) MONO output. H : MONO output
17	Stereo ON/OFF	Stereo ON/OFF H : Stereo ON
18	↑ ↓	LED lights up when Up and Down arrow keys are enabled. L : LED lights up.
19	←→	LED lights up when Right and Left arrow keys are enabled. L : LED lights up.
20	SL/SR	LED lights up if AC3 signal from the rear system L/R is received. L : LED lights up.
21	S	LED lights up if AC3 signal from the rear system (monaural) is received. L : LED lights up.
22	C	LED lights up if AC3 signal from the center system is received. L : LED lights up.
23	L/R	LED lights up if AC3 signal from the front system L/R is received. L : LED lights up.
24	ADDIR	Switching MS Port. H : Analog input, L : Other than analog input

* Output is port output of M66311 (Set data to "L" when port output is to be set to "H".)

■ M66311FP (FL-UCOM ASSY : IC804)

● LED DRIVER

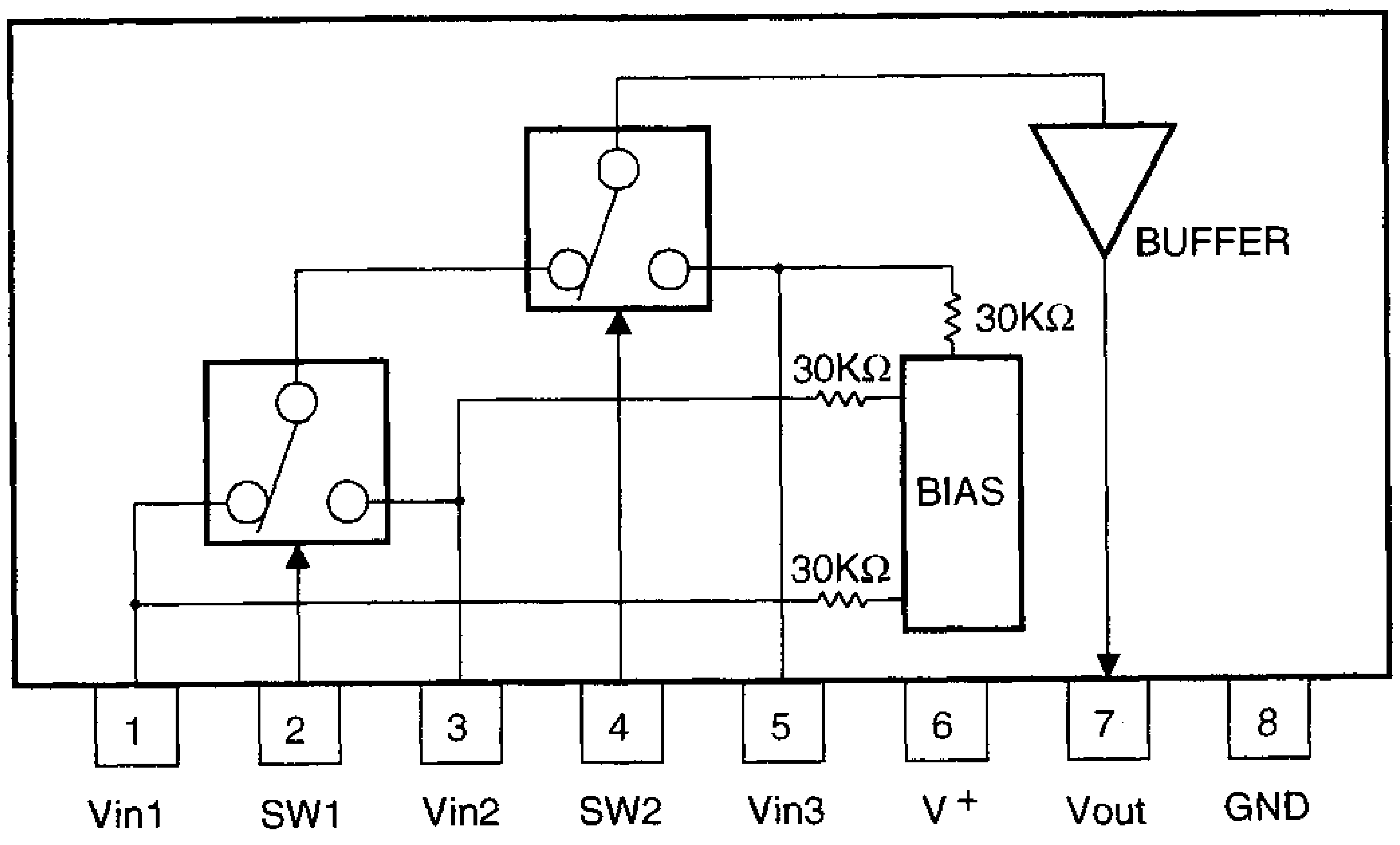
● Pin Function

No.	Name	Function
1		Not used. Open
2		Not used. Open
3	Vcc	Power supply +5V.
4	DATA	Data line for communications with microcomputer.
5	OE	Output enable/disable signal, L : Fixed to "L" (output enabled).
6	LATCH	Strobe line for communications with microcomputer.
7	RESET	Reset input. Temporarily sets to "L" when the power switch is set to ON. After that, fixed to "H".
8	CLOCK	Clock line for communications with microcomputer.
9	GND	GND
10		Fixed to "H".
11		Not used. Open
12		Not used. Open
13		Not used. Open
14		Not used. Open
15		Not used. Open
16	VCR1 IND.	LED lights up when function is VCR1. L : LED lights up.
17	VCR2 IND.	LED lights up when function is VCR2. L : LED lights up.
18	VIDEO IND.	LED lights up when function is VIDEO. L : LED lights up.
19	DVD IND.	LED lights up when function is DVD. L : LED lights up.
20	LD IND.	LED lights up when function is LD. L : LED lights up.
21	CD IND.	LED lights up when function is CD. L : LED lights up.
22	TUNER IND.	LED lights up when function is TUNER. L : LED lights up.
23	PHONO IND.	LED lights up when function is PHONO. L : LED lights up.
24	TAPE1 IND.	LED lights up when function is TAPE1. L : LED lights up.

* Output is from M66311.

■ NJM2534L (VIDEO ASSY : IC402, S-VIDEO ASSY : IC501, IC502)

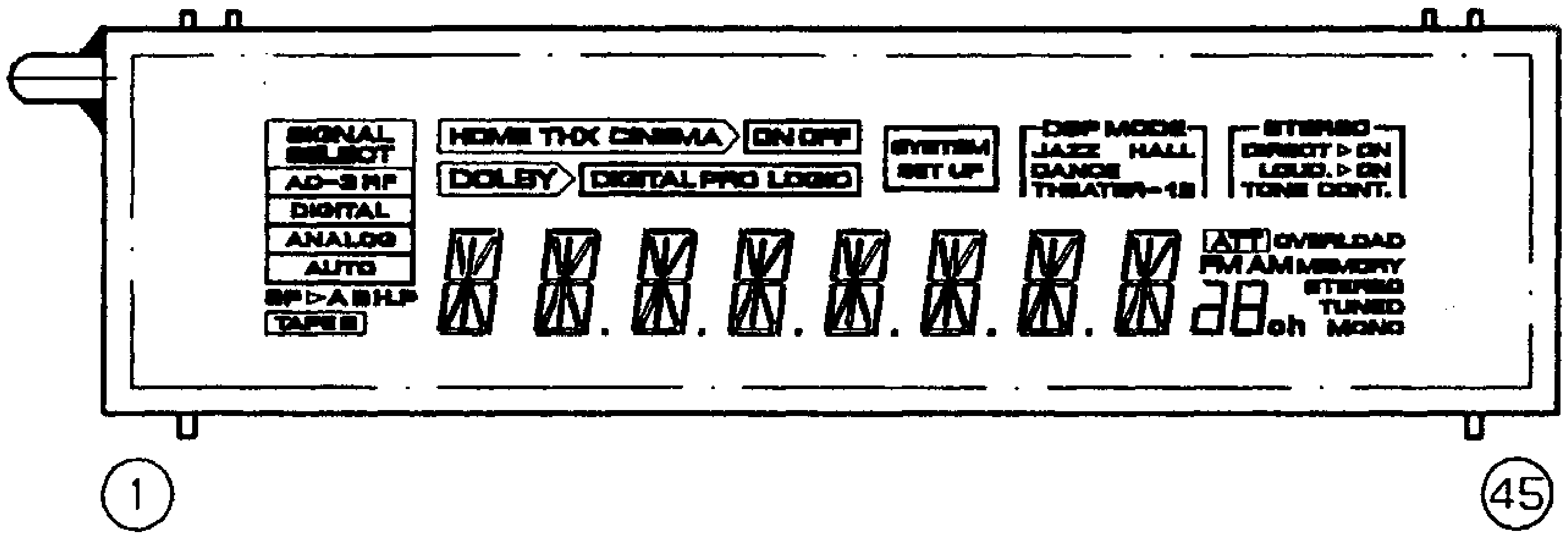
- **3 Input Single Video Switch**
- **Block Diagram**


BUFFER
30KΩ
30KΩ
BIAS
30KΩ
1
2
3
4
5
6
7
8
Vin1
SW1
Vin2
SW2
Vin3
V+
Vout
GND

7.1.2 DISPLAY

■ AAV7037 (FL-UCOM ASSY:V801)

- **FL Tube**

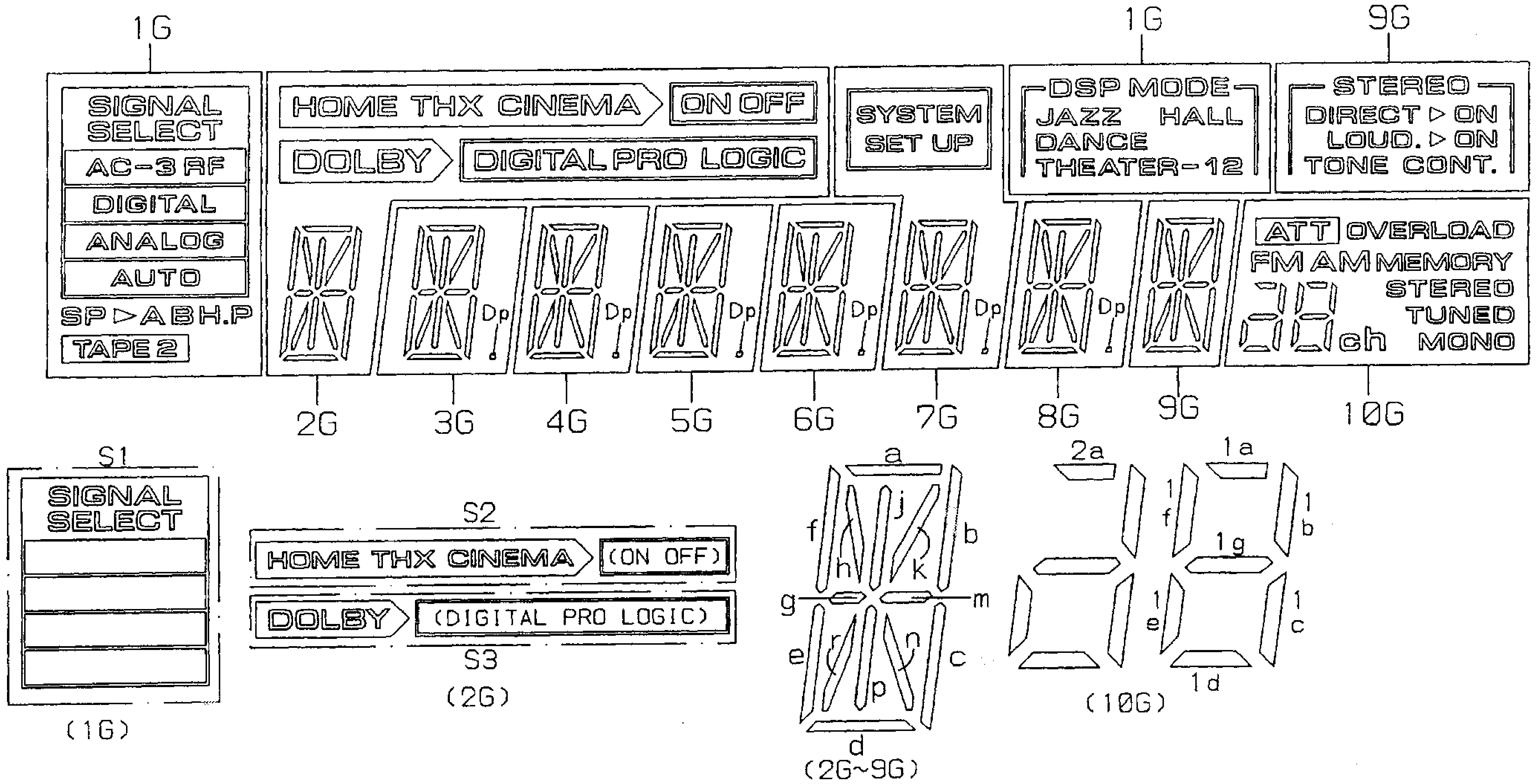

SIGNAL SELECT
AD-3 RF
DIGITAL
ANALOG
AUTO
SP ▷ A B H.P
TAPE 2
HOME THX CINEMA
ON OFF
DOLBY
DIGITAL PRO LOGIC
SYSTEM SET UP
DSP MODE
JAZZ HALL
DANCE
THEATER-12
STEREO
DIRECT ▷ ON
LOUD. ▷ ON
TONE CONT.
ATT
OVERLOAD
FM AM
MEMORY
STEREO
TUNED
MONO
dB ch
①
㊺

- **Pin Assignment**

PIN NO.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45
CONNECTION	F1	F1	NP	NP	NX	NX	NX	NX	NX	NX	NX	1G	2G	3G	4G	5G	6G	7G	8G	9G	10G	P20	P19	P18	P17	P16	P15	P14	P13	P12	P11	P10	P9	P8	P7	P6	P5	P4	P3	P2	P1	NP	NP	F2	F2

NOTE 1) F1,F2 --- Filament
2) NP ------- No pin
3) NX ------- No extend pin
4) DL ------- Datum Line
5) 1G~10G --- Grid

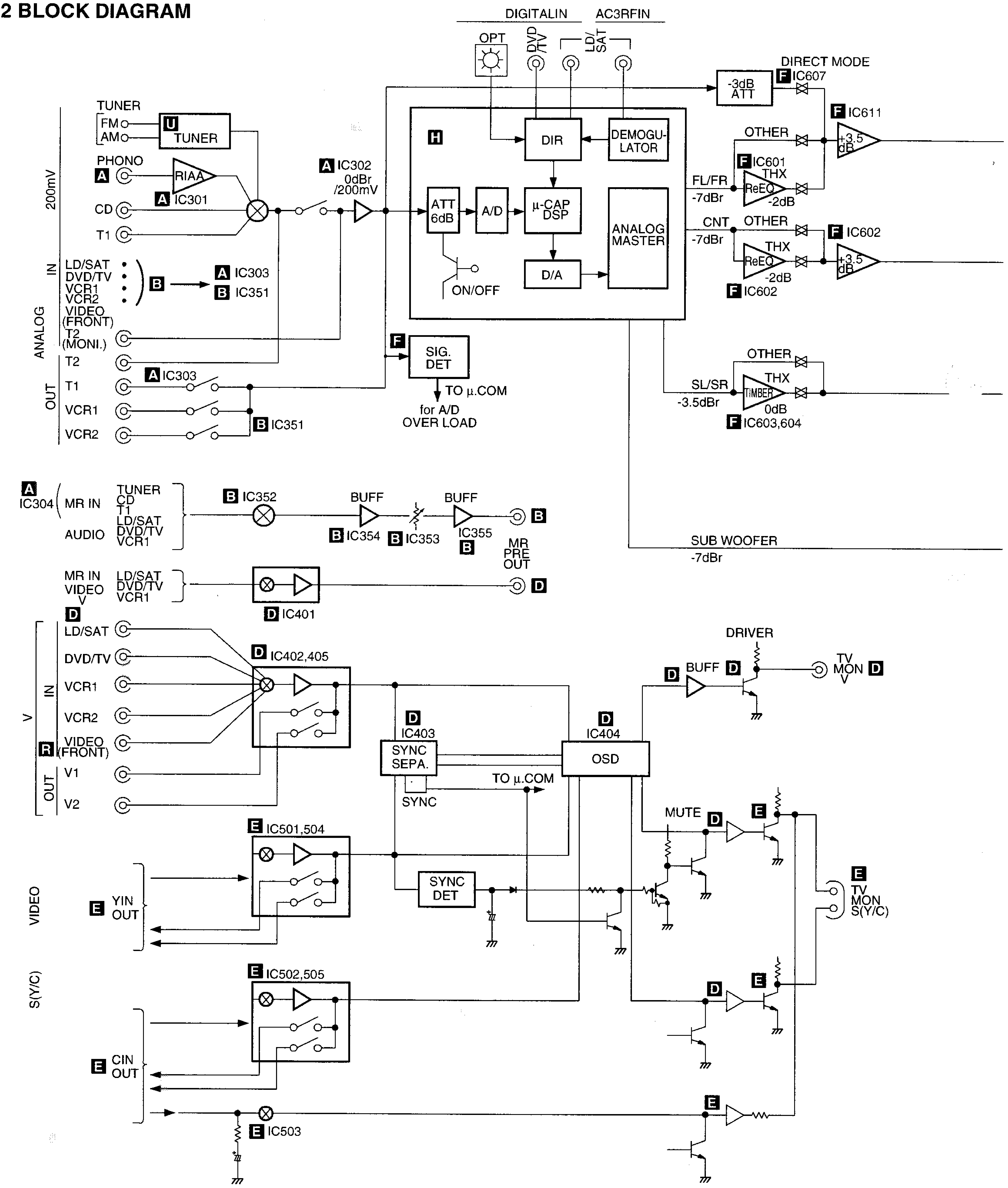
● Grid Assignment

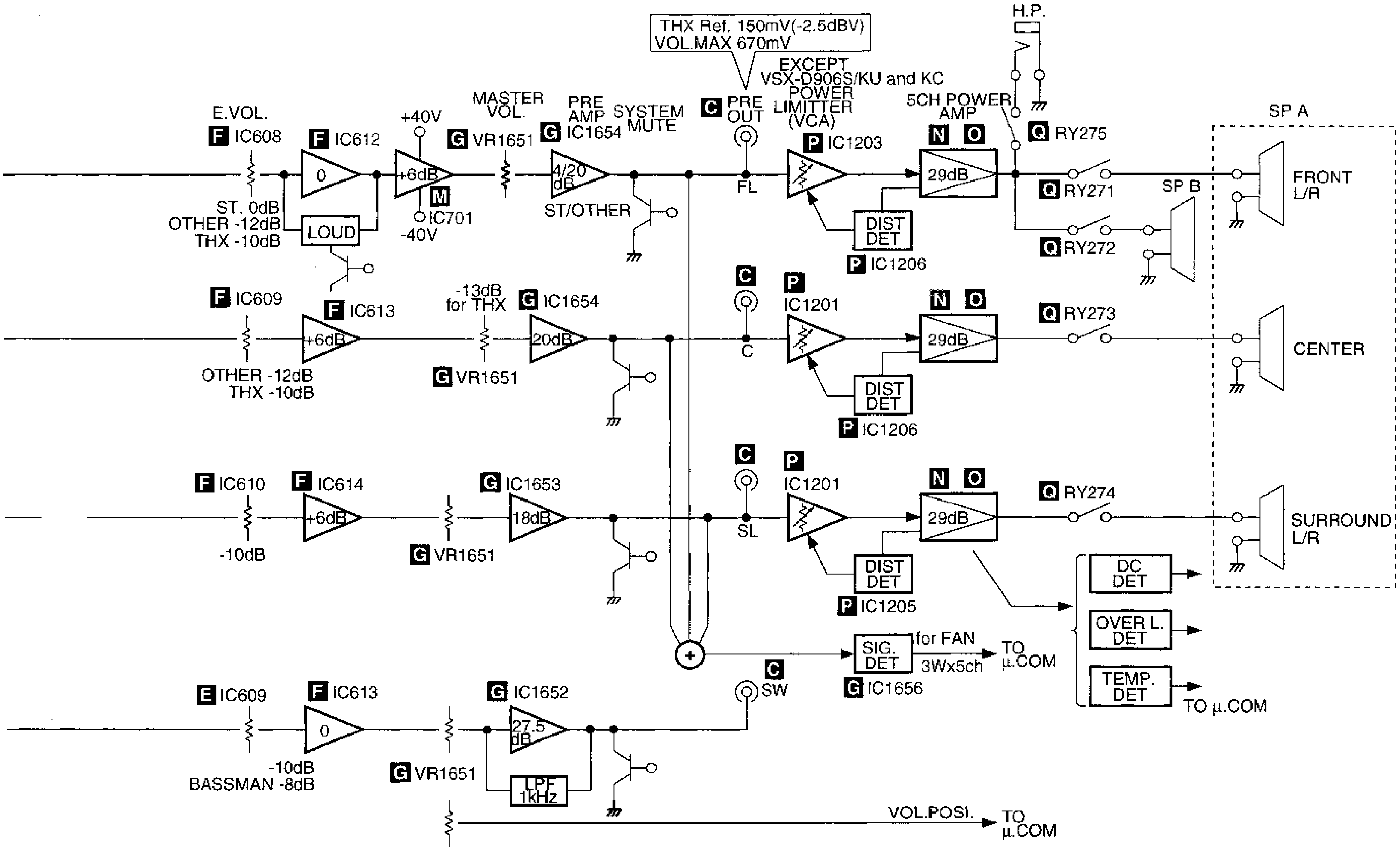

1G
SIGNAL SELECT
AC-3 RF
DIGITAL
ANALOG
AUTO
SP ▷ A B H.P
TAPE 2
HOME THX CINEMA
ON OFF
DOLBY
DIGITAL PRO LOGIC
SYSTEM SET UP
1G
DSP MODE
JAZZ HALL
DANCE
THEATER-12
9G
STEREO
DIRECT ▷ ON
LOUD. ▷ ON
TONE CONT.
ATT OVERLOAD
FM AM MEMORY
STEREO
TUNED
ch MONO
Dp
2G
3G
4G
5G
6G
7G
8G
9G
10G
S1
SIGNAL SELECT
(1G)
S2
HOME THX CINEMA
(ON OFF)
DOLBY
(DIGITAL PRO LOGIC)
S3
(2G)
a
j
f
b
h
k
g
m
e
r
n
c
p
d
(2G~9G)
2a
1a
1 f
1 b
1g
1 e
1 c
1d
(10G)

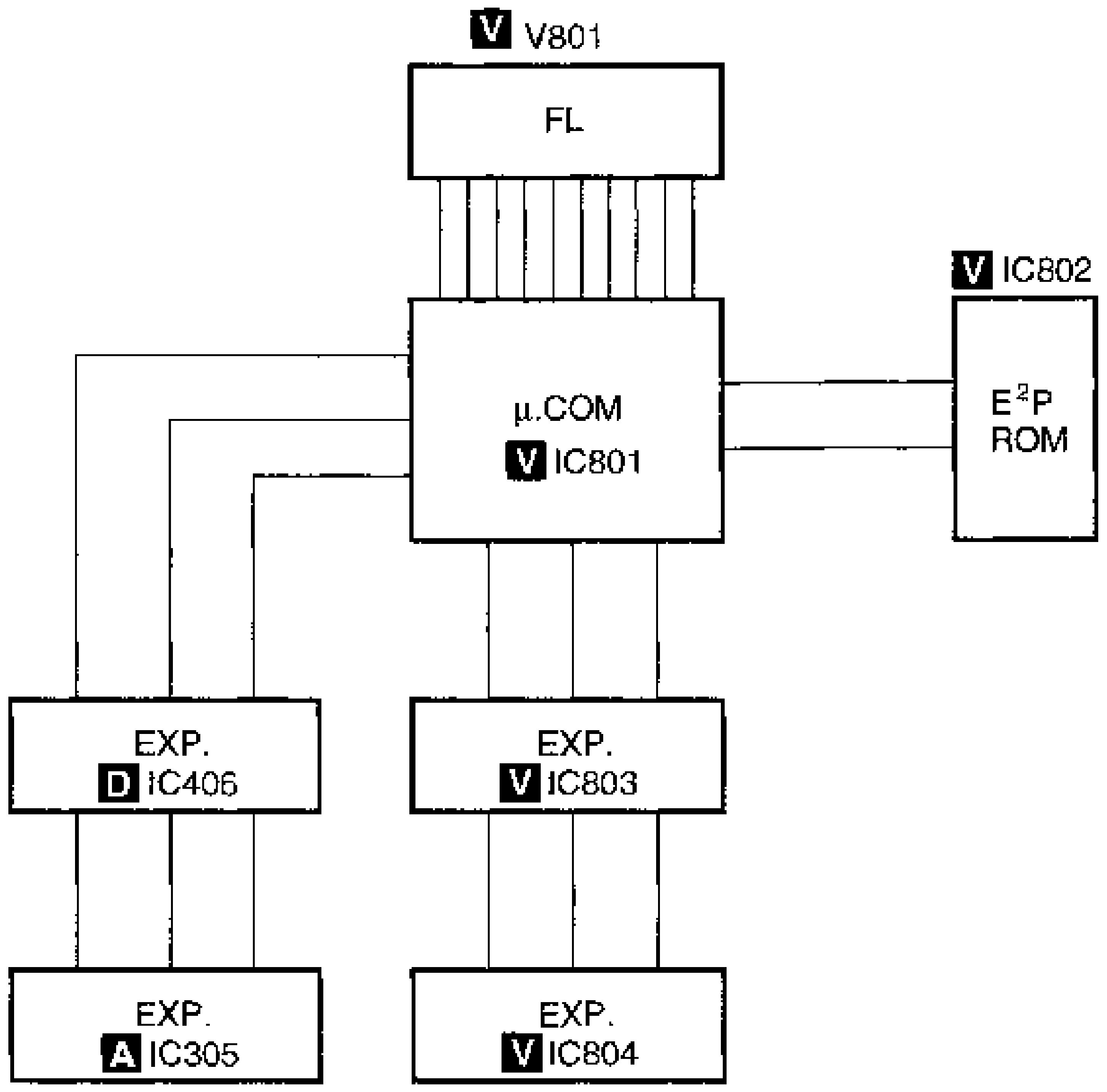
● Anode Connection

	1G	2G	3G~6G	7G	8G	9G	10G
P1	TAPE 2	a	a	a	a	a	1a
P2	SP ▷	j	j	j	j	j	1b
P3	A	k	k	k	k	k	1f
P4	B	h	h	h	h	h	1g
P5	H.P	b	b	b	b	b	1c
P6	AUTO	f	f	f	f	f	1e
P7	ANALOG	g	g	g	g	g	1d
P8	DIGITAL	m	m	m	m	m	2a, 2d, 2g
P9	AC-3 RF	c	c	c	c	c	2b
P10	S1	e	e	e	e	e	2c
P11	DSP MODE	n	n	n	n	n	2e
P12	JAZZ	r	r	r	r	r	MONO
P13	HALL	p	p	p	p	p	TUNED
P14	DANCE	d	d	d	d	d	STEREO
P15	THEATER-	S2	Dp	Dp	Dp	STEREO	MEMORY
P16	1	ON	–	SYSTEM SET UP	–	DIRECT ▷	AM
P17	2	OFF	–	–	–	ON (⊥)	FM
P18	–	S3	–	–	–	LOUD. ▷	ch
P19	–	PRO LOGIC	–	–	–	ON (⊤)	ATT
P20	–	DIGITAL	–	–	–	TONE CONT.	OVERLOAD

7.2 BLOCK DIAGRAM


DIGITALIN
AC3RFIN
OPT
DVD /TV
LD/ SAT
DIRECT MODE
F IC607
-3dB ATT
F IC611
+3.5 dB
OTHER
THX
F IC601
ReEQ
-2dB
FL/FR
-7dBr
CNT
-7dBr
F IC602
+3.5 dB
ReEQ
-2dB
F IC602
SL/SR
-3.5dBr
TIMBER
0dB
F IC603,604
SUB WOOFER
-7dBr
H
DIR
DEMOGU- LATOR
ATT 6dB
A/D
µ-CAP DSP
D/A
ANALOG MASTER
ON/OFF
TUNER
FM
AM
U TUNER
PHONO
A
RIAA
A IC301
CD
T1
200mV
A IC302
0dBr /200mV
ANALOG
IN
LD/SAT
DVD/TV
VCR1
VCR2
VIDEO (FRONT)
T2 (MONI.)
B
A IC303
B IC351
OUT
T2
T1
VCR1
VCR2
A IC303
B IC351
F
SIG. DET
TO µ.COM
for A/D OVER LOAD
A IC304
MR IN
AUDIO
TUNER
CD
T1
LD/SAT
DVD/TV
VCR1
B IC352
BUFF
BUFF
B IC354
B IC353
IC355 B
MR PRE OUT
B
MR IN VIDEO V
LD/SAT
DVD/TV
VCR1
D IC401
D
V
IN
D
LD/SAT
DVD/TV
VCR1
VCR2
R VIDEO (FRONT)
OUT
V1
V2
D IC402,405
D IC403
SYNC SEPA.
SYNC
TO µ.COM
D IC404
OSD
DRIVER
D BUFF D
TV MON V D
MUTE D
E
E IC501,504
VIDEO
E YIN OUT
SYNC DET
E TV MON S(Y/C)
S(Y/C)
E IC502,505
E CIN OUT
D
E
E IC503
E


THX Ref. 150mV(-2.5dBV)
VOL.MAX 670mV
H.P.
EXCEPT VSX-D906S/KU and KC
POWER LIMITTER (VCA)
5CH POWER AMP
SP A
E.VOL.
F IC608
F IC612
+40V
MASTER VOL.
G VR1651
PRE AMP
G IC1654
SYSTEM MUTE
C PRE OUT
P IC1203
N O
Q RY275
0
+6dB
M IC701
-40V
4/20 dB
FL
29dB
Q RY271
SP B
FRONT L/R
ST. 0dB
OTHER -12dB
THX -10dB
LOUD
ST/OTHER
DIST DET
P IC1206
Q RY272
F IC609
F IC613
-13dB for THX
G IC1654
C
P
IC1201
N O
Q RY273
+6dB
20dB
C
29dB
CENTER
OTHER -12dB
THX -10dB
G VR1651
DIST DET
P IC1206
F IC610
F IC614
G IC1653
C
P
IC1201
N O
Q RY274
+6dB
18dB
SL
29dB
SURROUND L/R
-10dB
G VR1651
DIST DET
P IC1205
DC DET
OVER L. DET
TEMP. DET
TO µ.COM
SIG. DET
for FAN
3Wx5ch
TO µ.COM
G IC1656
C
SW
E IC609
F IC613
G IC1652
0
27.5 dB
LPF 1kHz
-10dB
BASSMAN -8dB
G VR1651
VOL.POSI.
TO µ.COM


V V801
FL
V IC802
µ.COM
V IC801
E²P ROM
EXP.
D IC406
EXP.
V IC803
EXP.
A IC305
EXP.
V IC804

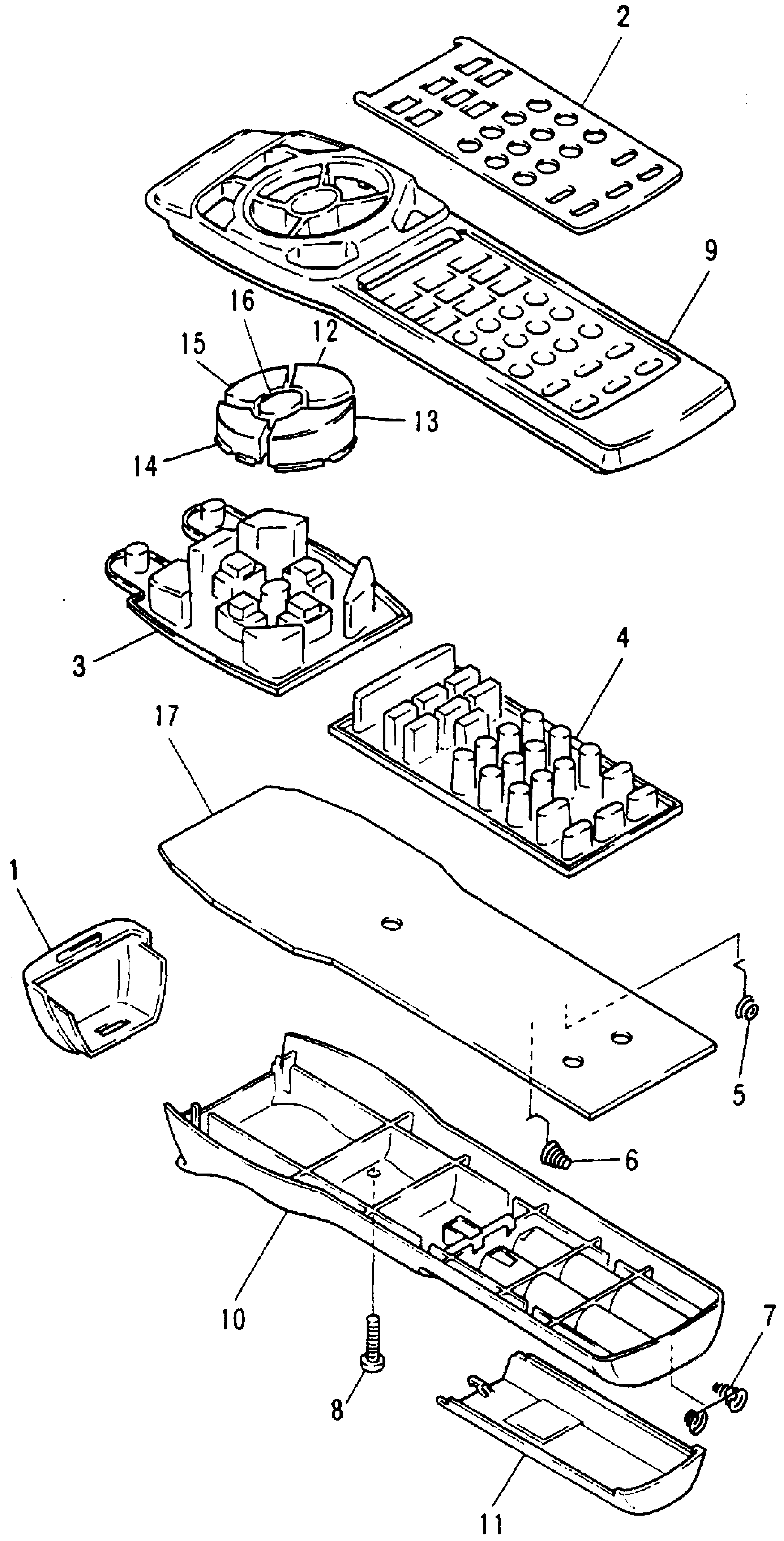
7.3 REMOTE CONTROL UNIT

[CU-VSX117 (AXD7127) : KU AND KC TYPES]

[CU-VSX122 (AXD7122) : SD AND KU/CA TYPES]

7.3.1 EXPLODED VIEWS AND PARTS LIST

NOTES:
- *Parts marked by "NSP" are generally unavailable because they are not in our Master Spare Parts List.*
- *The ⚠ mark found on some component parts indicates the importance of the safety factor of the part. Therefore, when replacing, be sure to use parts of identical designation.*
- *Screws adjacent to ▼ mark on product are used for disassembly.*

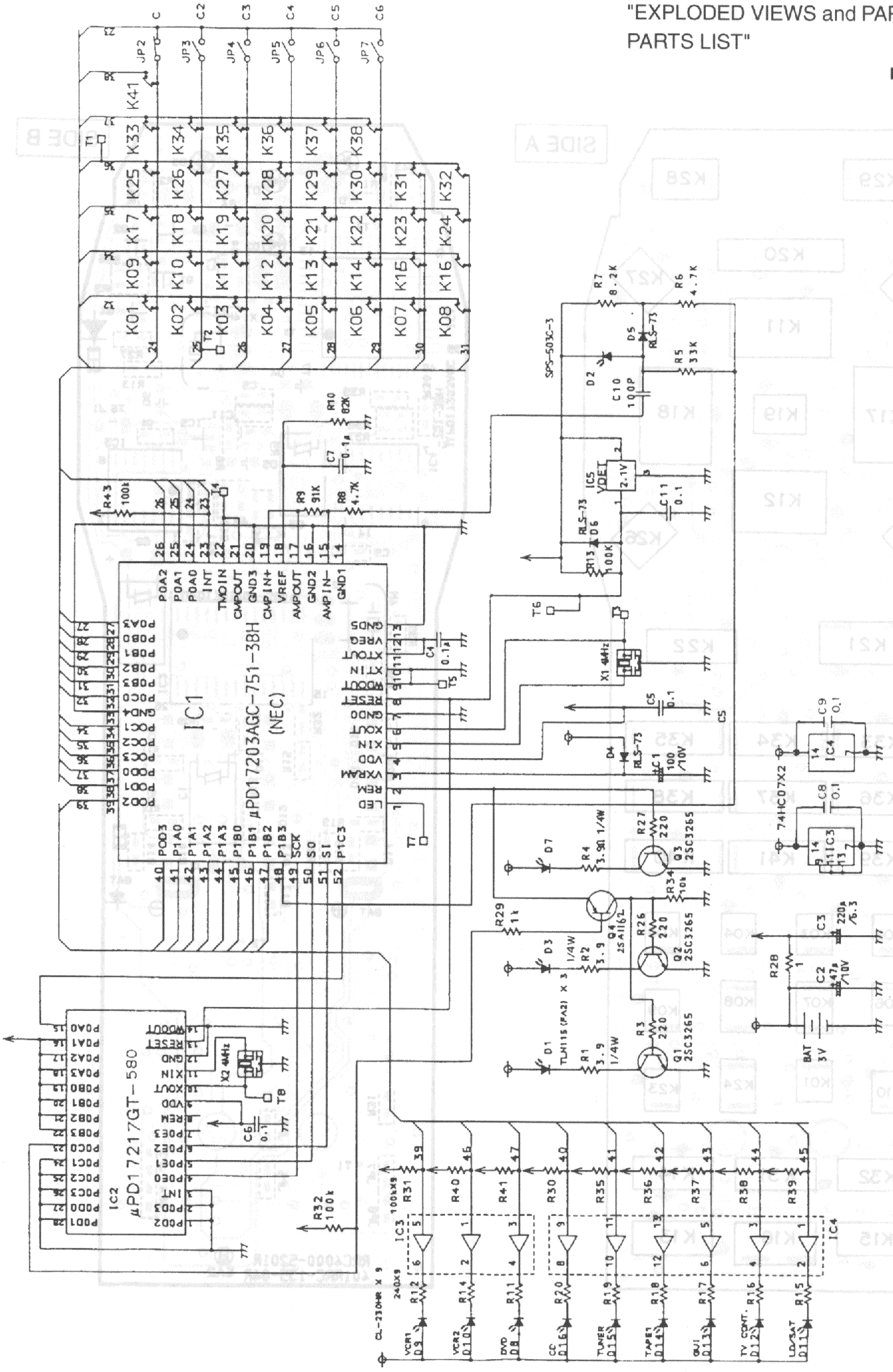


■ Parts List

Mark	No.	Description	Parts No.
	1	Filter	AZA7152
	2	Name Plate (KU AND KC TYPES)	AZA7251
	2	Name Plate (SD AND KU/CA TYPES)	AZA7249
	3	Rubber Sheet (A)	AZA7236
	4	Rubber Sheet (B)	AZA7248
	5	Spring (+)	AZB7049
	6	Spring (−)	AZB7050
	7	Spring	AZB7051
	8	Screw	AZB7052
	9	Remo-con Case (A)	AZN7672
	10	Remo-con Case (B)	AZN7326
	11	Battery Cover	AZN7327
	12	Main Key (FF)	AZN7666
	13	Main Key (STOP)	AZN7329
	14	Main Key (REV)	AZN7665
	15	Main Key (PAUSE)	AZN7331
	16	Main Key (PLAY)	AZN7664
NSP	17	PCB	AZW7243

7.3.2 SCHEMATIC AND PCB DIAGRAM

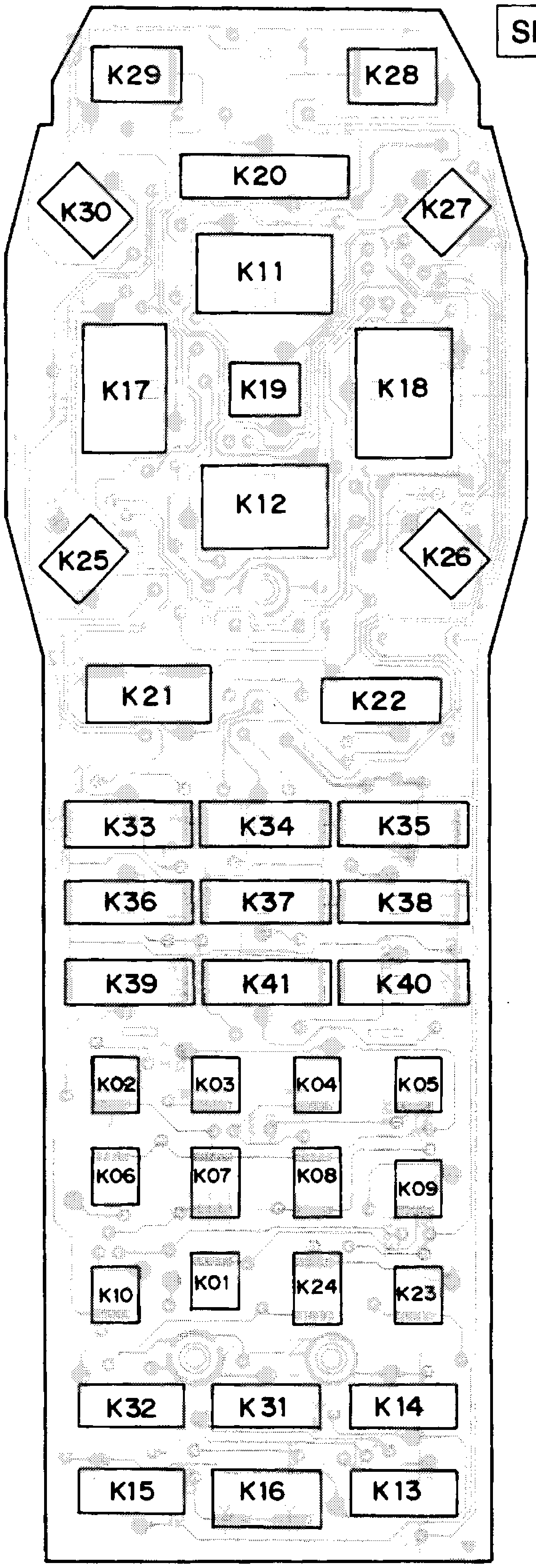
Note : When ordering service parts, be sure to refer to "EXPLODED VIEWS and PARTS LIST" or "PCB PARTS LIST"



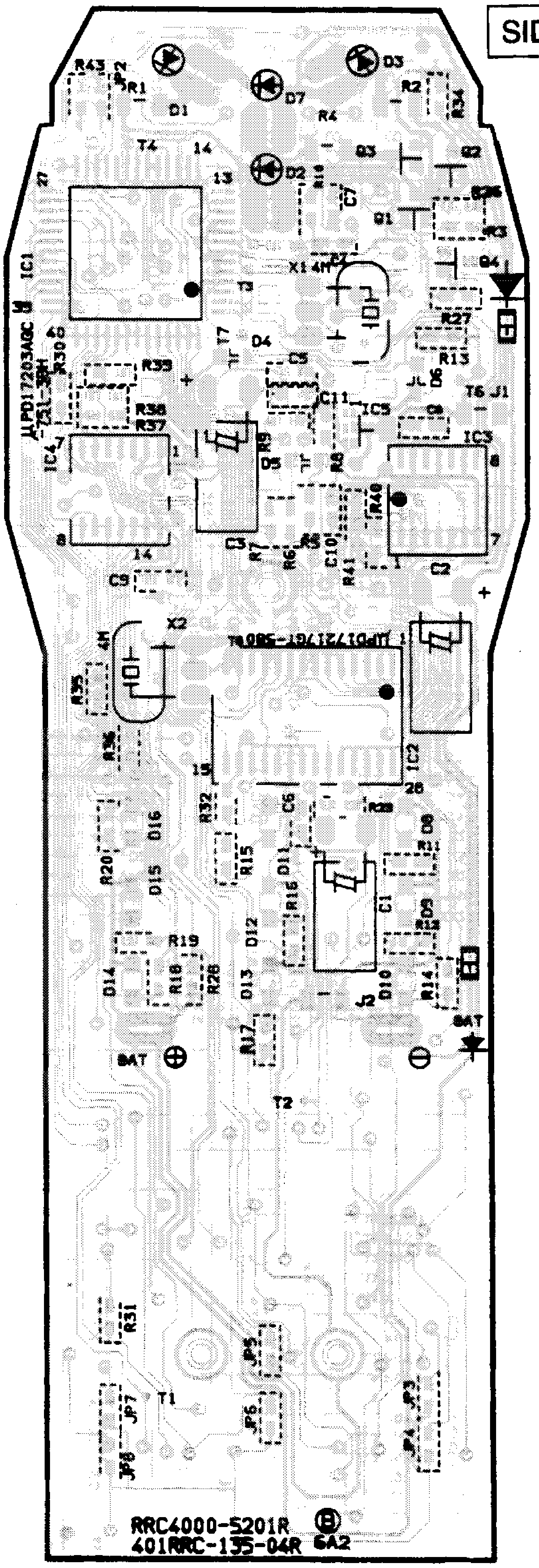
IC1
µPD17203AGC-751-3BH
(NEC)
IC2
µPD17217GT-580
IC3
IC4
74HC07X2
X1 4MHz
X2 4MHz
IC5 VDET 2.1V
SPS-503C-3
RLS-73
Q1 2SC3265
Q2 2SC3265
Q3 2SC3265
Q4 2SA1162
D1 TLN115(FA2) X 3
BAT 3V
CL-230HR X 9
240X9
100kX9
R32 100k
R43 100k
C2 47µ/10V
C3 220µ/6.3
C1 100/10V
C10 100P
R7 8.2K
R6 4.7K
R5 33K
R10 82K
R9 91K
R8 4.7K
VCR1 D9
VCR2 D10
DVD D8
CD D16
TUNER D15
TAPE1 D14
SUR D13
TV CONT. D12
LD/SAT D11
SIDE A
SIDE B
RCA4000-5201A

■SWITCHES

K01 : 10 (0)
K02 : 1
K03 : 2
K04 : 3
K05 : 4
K06 : 5
K07 : 6
K08 : 7
K09 : 8
K10 : 9
K11 : ▲II
K12 : ▼■
K13 : SET UP
K14 : MODE CHK
K15 : MULTI OPE.
K16 : SYS. OFF
K17 : ◀◀◀
K18 : ▶▶▶
K19 : ▶ ENT.
K20 : POWER
K21 : I◀◀ CH-
K22 : ▶▶I CH+
K23 : 12 (DISC)
K24 : 11 (+10)
K25 : VOL.-
K26 : VOL.+
K27 : TV FUNC.
K28 : TV POWER
K29 : AMP POW.
K30 : MUTING
K31 : LIST
K32 : FUNCTION
K33 : DVD
K34 : LD/SAT
K35 : CD
K36 : VCR1
K37 : TV CONT.
K38 : TUNER
K39 : VCR2
K40 : TAPE
K41 : SURROUND


K29
K28
K20
K30
K27
K11
K17
K19
K18
K12
K25
K26
K21
K22
K33
K34
K35
K36
K37
K38
K39
K41
K40
K02
K03
K04
K05
K06
K07
K08
K09
K10
K01
K24
K23
K32
K31
K14
K15
K16
K13

SIDE A


R43
R1
D1
D7
D3
R2
R34
R4
T4
Q3
Q2
D2
C7
Q1
R3
IC1
X1 4M
Q4
R27
R13
µPD17203AGC
D4
C5
R39
R38
R37
C11
IC5
T6
J1
IC3
IC4
D5
R9
R8
R40
C3
R7
R6
R5
C10
R41
C2
C9
X2
µPD17217GT-580
R35
R36
IC2
R32
C6
R20
D16
D15
R15
D11
R16
R11
C1
R19
D12
D14
R18
R28
D13
R17
J2
D10
R14
BAT
T2
R31
JP5
JP7
T1
JP6
JP3
JP4
JP8
RRC4000-5201R
401RRC-135-04R
6A2

SIDE B

7.3.3 PCB PARTS LIST

NOTES:
- *Parts marked by "NSP" are generally unavailable because they are not in our Master Spare Parts List.*
- *The ⚠ mark found on some component parts indicates the importance of the safety factor of the part. Therefore, when replacing, be sure to use parts of identical designation.*
- *When ordering resistors, first convert resistance values into code form as shown in the following examples.*

Ex.1 When there are 2 effective digits (any digit apart from 0), such as 560 ohm and 47k ohm (tolerance is shown by J = 5%, and K = 10%).

560Ω → 56×10^1 → 561 .... RD1/4PU$\boxed{5}\boxed{6}\boxed{1}$J
47kΩ → 47×10^3 → 473 .... RD1/4PU$\boxed{4}\boxed{7}\boxed{3}$J
0.5Ω → R50 .... RN2H$\boxed{R}\boxed{5}\boxed{0}$K
1Ω → 1R0 .... RS1P$\boxed{1}\boxed{R}\boxed{0}$K

Ex.2 When there are 3 effective digits (such as in high precision metal film resistors).

5.62kΩ → 562×10^1 → 5621 .... RN1/4PC$\boxed{5}\boxed{6}\boxed{2}\boxed{1}$F

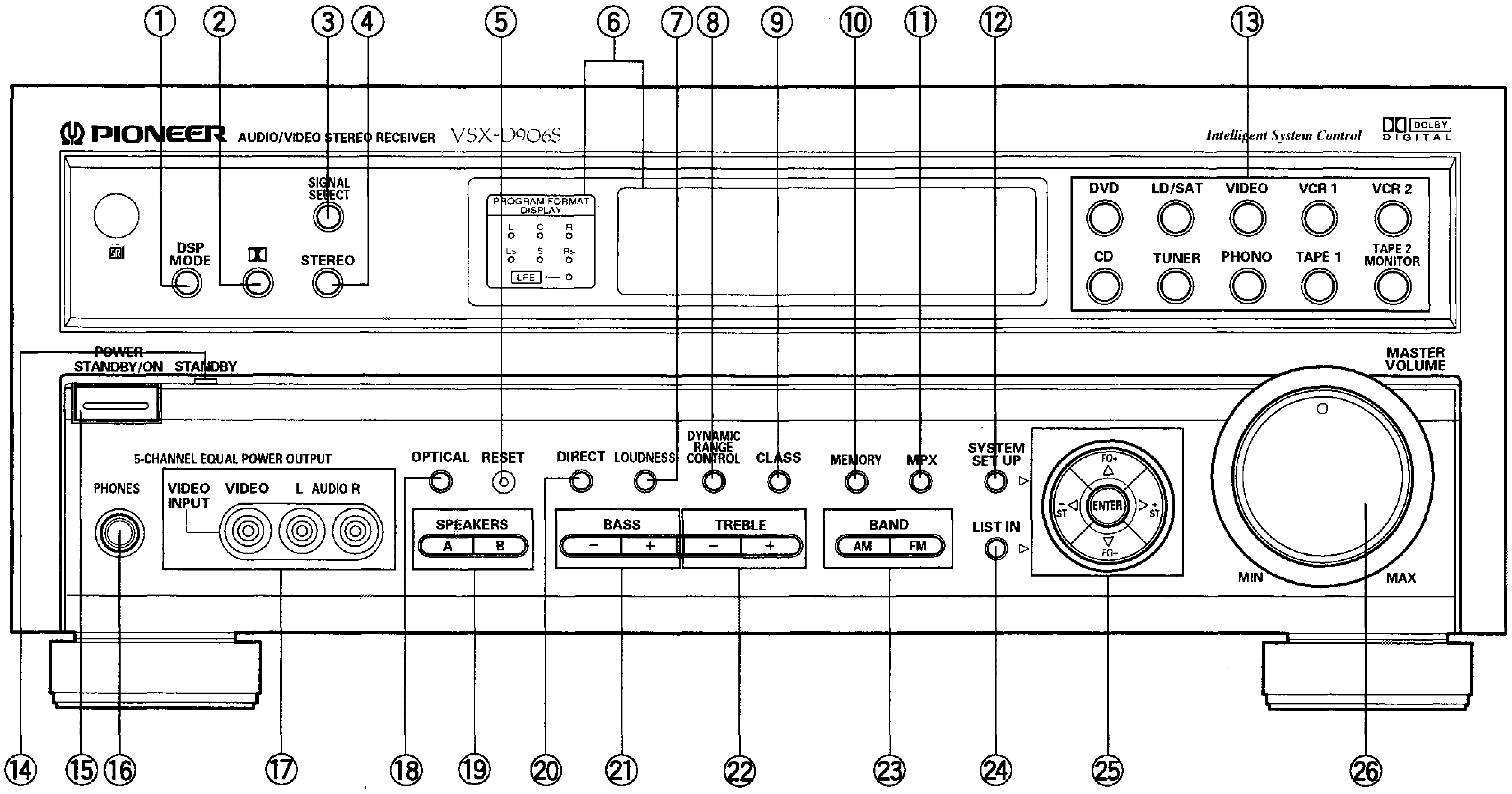
Mark	No.	Description	Parts No.
SEMICONDUCTORS			
	IC1		AZC7275
	IC2		AZC7274
	IC3, IC4		TC74HC07AF
	IC5		RH5VA21AA
	Q4 – Q6		2SA1037
	Q1 – Q3		2SC3265
	D1, D3, D7		SE1003 – C
	D2		SPS – 503C – 3
	D8 – D20	LED	CL – 230HR – CD
	D4 – D6		RLS – 73
CAPACITORS			
	C2		CEAS470M10
	C4 – C7, C11		CKSQYB104K25
	C3		CEAS221M10
	C1		CEAS101M6R3
	C8 – C10		CCSQCH100J50
RESISTORS			
	R2001, R2002		RS1/8S0R0J
	R1, R2 ,R4		RS1/8S3R9J
		Other Resistors	RS1/10S□□□J
OTHERS			
	X1, X2	RESONATOR (4MHz)	KBR – 4.0M

8. PANEL FACILITIES AND SPECIFICATIONS

NAMES OF PARTS

* The size of characters shown in the figure may differ from that on the actual product.

Front panel


①
②
③④
⑤
⑥
⑦⑧
⑨
⑩
⑪
⑫
⑬
PIONEER AUDIO/VIDEO STEREO RECEIVER VSX-D906S
Intelligent System Control
DOLBY DIGITAL
SIGNAL SELECT
DSP MODE
STEREO
PROGRAM FORMAT DISPLAY
L C R
Ls S Rs
LFE
DVD
LD/SAT
VIDEO
VCR 1
VCR 2
CD
TUNER
PHONO
TAPE 1
TAPE 2 MONITOR
POWER
STANDBY/ON
STANDBY
MASTER VOLUME
5-CHANNEL EQUAL POWER OUTPUT
PHONES
VIDEO INPUT
VIDEO
L AUDIO R
OPTICAL
RESET
DIRECT
LOUDNESS
DYNAMIC RANGE CONTROL
CLASS
MEMORY
MPX
SYSTEM SET UP
LIST IN
SPEAKERS
A
B
BASS
TREBLE
BAND
AM
FM
ENTER
ST
FO
MIN
MAX
⑭
⑮⑯
⑰
⑱
⑲
⑳
㉑
㉒
㉓
㉔
㉕
㉖

① **DSP MODE button*NOTE**

② **DD button**

③ **SIGNAL SELECT button**

④ **STEREO button**

⑤ **RESET button**

⑥ **Displays**

⑦ **LOUDNESS button*NOTE**
Press this button when the volume is low to raise the low and high frequency levels so that the sound can be heard more easily. This button operates in stereo mode only.

⑧ **DYNAMIC RANGE CONTROL button**
The volume is constantly controlled to maintain an even level and to make it possible to hear clearly even when the volume is set to a low level. (Works only when operating in DOLBY DIGITAL mode.)

⑨ **CLASS button**

⑩ **MEMORY button**

⑪ **MPX button**
Use to switch the auto stereo/monaural mode for receiving FM broadcasts. When the received broadcast signal is weak, press this button to set the monaural mode.

⑫ **SYSTEM SET UP button**

⑬ **Function buttons**

⑭ **STANDBY indicator**

⑮ **POWER STANDBY/ON button**

⑯ **PHONES jack (Headphone terminal)**

⑰ **Video input terminals**
Connect to a video camera, etc.

⑱ **OPTICAL button**

⑲ **SPEAKERS A, B buttons**
ON/OFF switches for the A and B speaker systems.

⑳ **DIRECT button*NOTE**
Use to play back sound without going through the tone control circuits. This button operates in stereo mode only.

㉑ **BASS –, + buttons*NOTE**
Use to adjust tone. This button operates in stereo mode only.

㉒ **TREBLE –, + buttons*NOTE**
Use to adjust tone. This button operates in stereo mode only.

㉓ **AM, FM buttons**

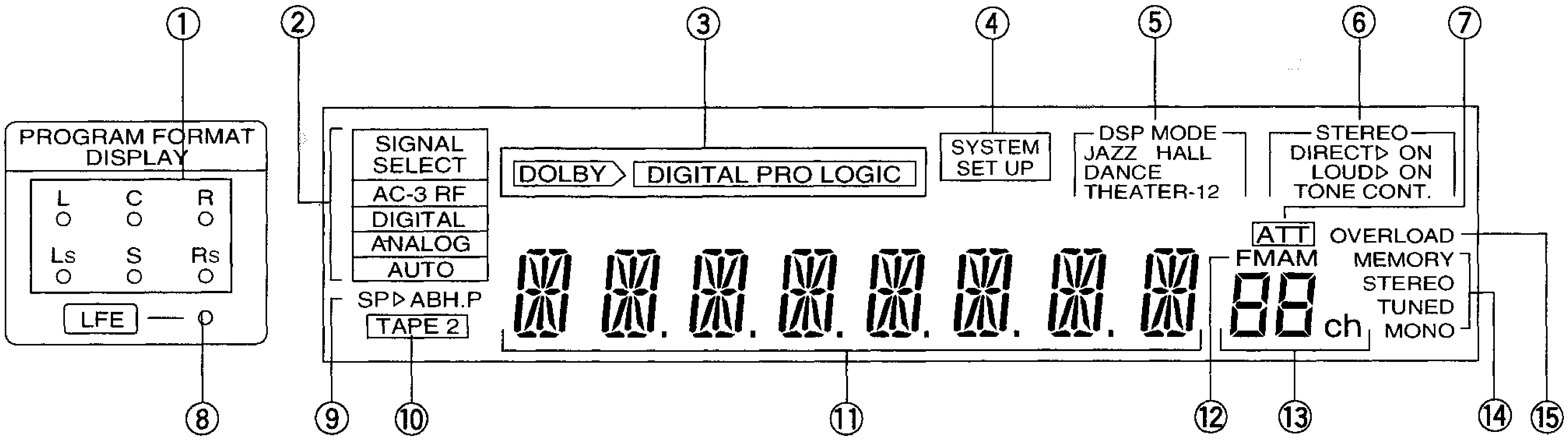
㉔ **LIST IN button**

㉕ **Select/Adjust buttons**

㉖ **MASTER VOLUME**

***NOTE**
These operation buttons do not function during AC-3 input.

Display


①
②
③
④
⑤
⑥
⑦
PROGRAM FORMAT DISPLAY
L C R
Ls S Rs
LFE
SIGNAL SELECT
AC-3 RF
DIGITAL
ANALOG
AUTO
SP▷ABH.P
TAPE 2
DOLBY
DIGITAL PRO LOGIC
SYSTEM SET UP
DSP MODE
JAZZ HALL
DANCE
THEATER-12
STEREO
DIRECT▷ ON
LOUD▷ ON
TONE CONT.
ATT
OVERLOAD
FMAM
MEMORY
STEREO
TUNED
MONO
ch
⑧
⑨
⑩
⑪
⑫
⑬
⑭
⑮

① **PROGRAM FORMAT DISPLAY**
When playing back in the Dolby Digital (AC-3) mode, the indicator of the channel set for the playback source lights.

② **SIGNAL SELECT indicators**
The input signal format currently selected will light .

③ **DOLBY DIGITAL and PRO LOGIC indicators**
"DOLBY" lights when the Dolby Surround mode is ON. There are two Dolby Surround modes-Dolby Digital (AC-3) and Dolby Pro Logic. "DOLBY" and "DIGITAL" light during Dolby Digital, and "DOLBY" and "PRO LOGIC" light when played back in Dolby Pro Logic.

④ **SYSTEM SET UP indicator**
Lights when SYSTEM SET UP mode is selected.

⑤ **DSP MODE indicators**
Lights when DSP MODE is on and indicates the type selected.

⑥ **STEREO indicators**
Lights when STEREO mode is selected.

⑦ **ATT indicator**
Lights when ATT (input attenuator) is ON.

⑧ **LFE indicator**
[LFE] lights when the LFE (Low Frequency Effects) channel is set for the playback source with Dolby Digital. The LFE indicator also lights when LFE signals are input.

⑨ **Speakers A, B, H.P indicators**
The indicator will light up to show which speaker terminal (A or B) is selected. When using headphones, the "H.P" indicator will light up.
When using the headphone, speakers A and B are turned off.

⑩ **TAPE 2 indicator**
Lights when TAPE 2 MONITOR is ON.

⑪ **CHARACTER display**

⑫ **FM, AM indicators**
The indicator of the band currently selected (FM/AM) lights.

⑬ **STATION display**
Indicates the station number currently selected.

⑭ **TUNER indicators**

MEMORY:
Lights when station memory is selected.

STEREO:
Lights when stereo broadcasts are received during auto stereo mode.

TUNED:
Lights when broadcasts are being received.

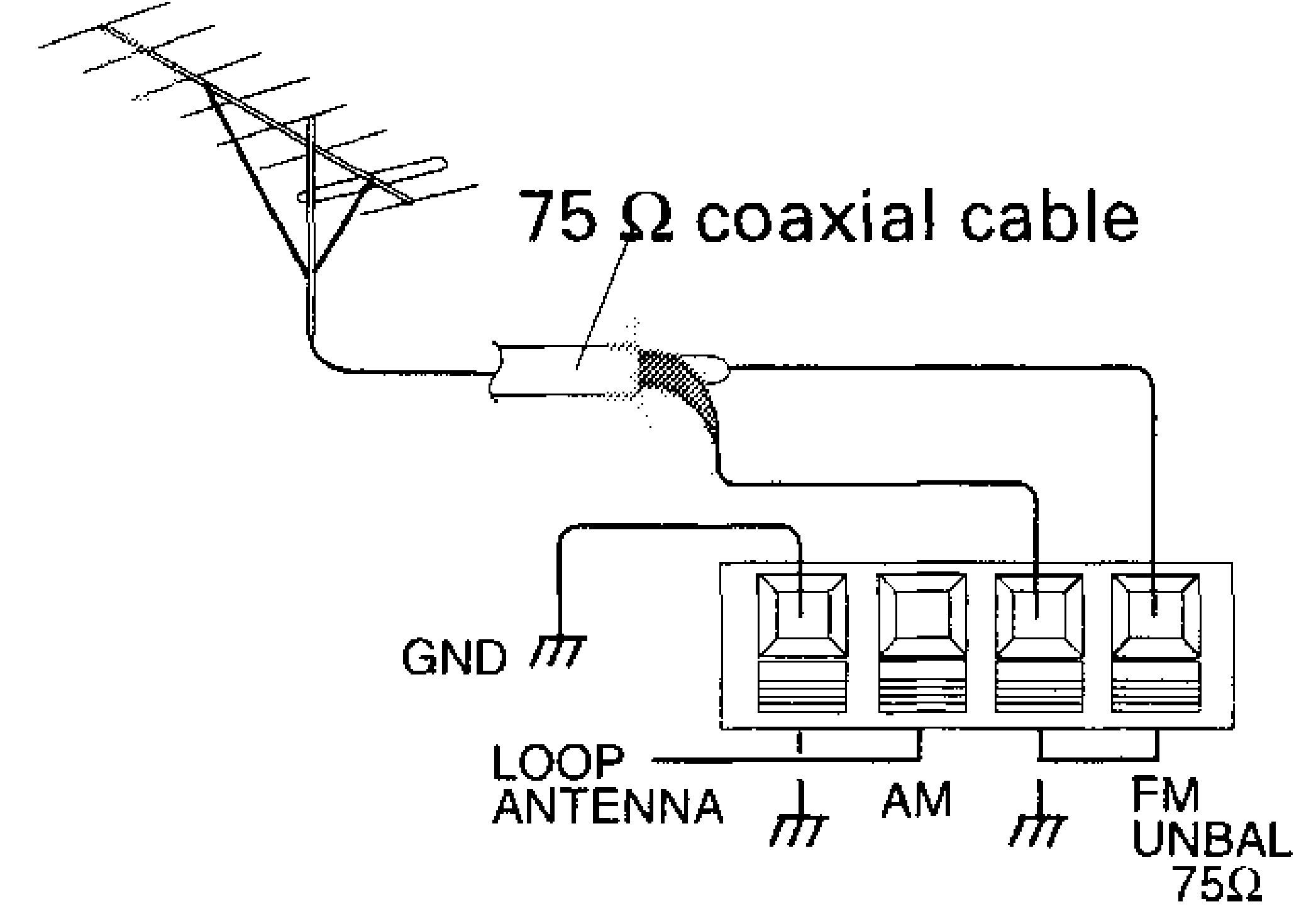
MONO:
Lights when the monaural mode is set using the MPX MODE button.

⑮ **OVERLOAD Indicator**
This indicator lights up whenever the analog input signal is of a strength sufficient to cause electrical overload.
When the indicator blinks, press the ATT button on the remote control unit to reduce the strength of the input signal.

CONNECTING DEVICES

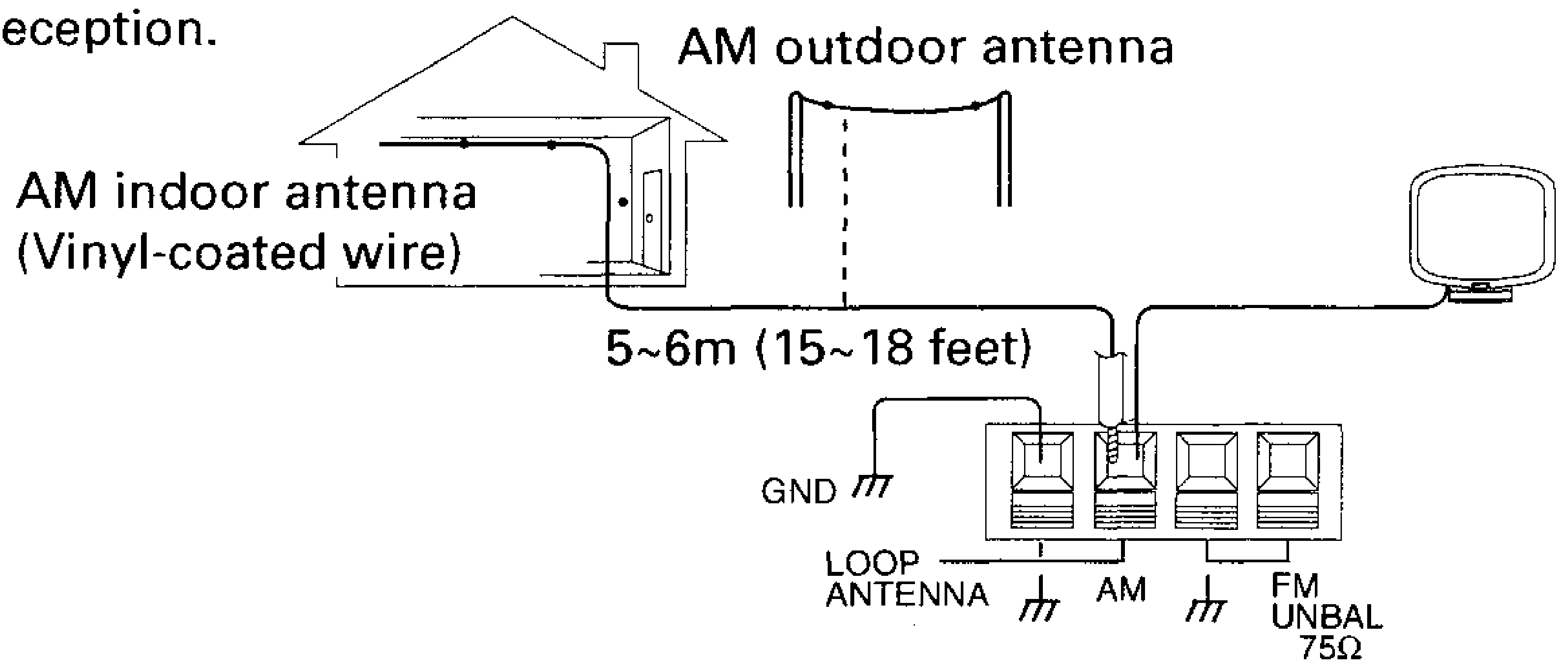
When connecting or changing equipment, be sure to turn OFF the POWER switch, and disconnect the power cord from the wall outlet.

■ For better reception of signals, use an FM external antenna.

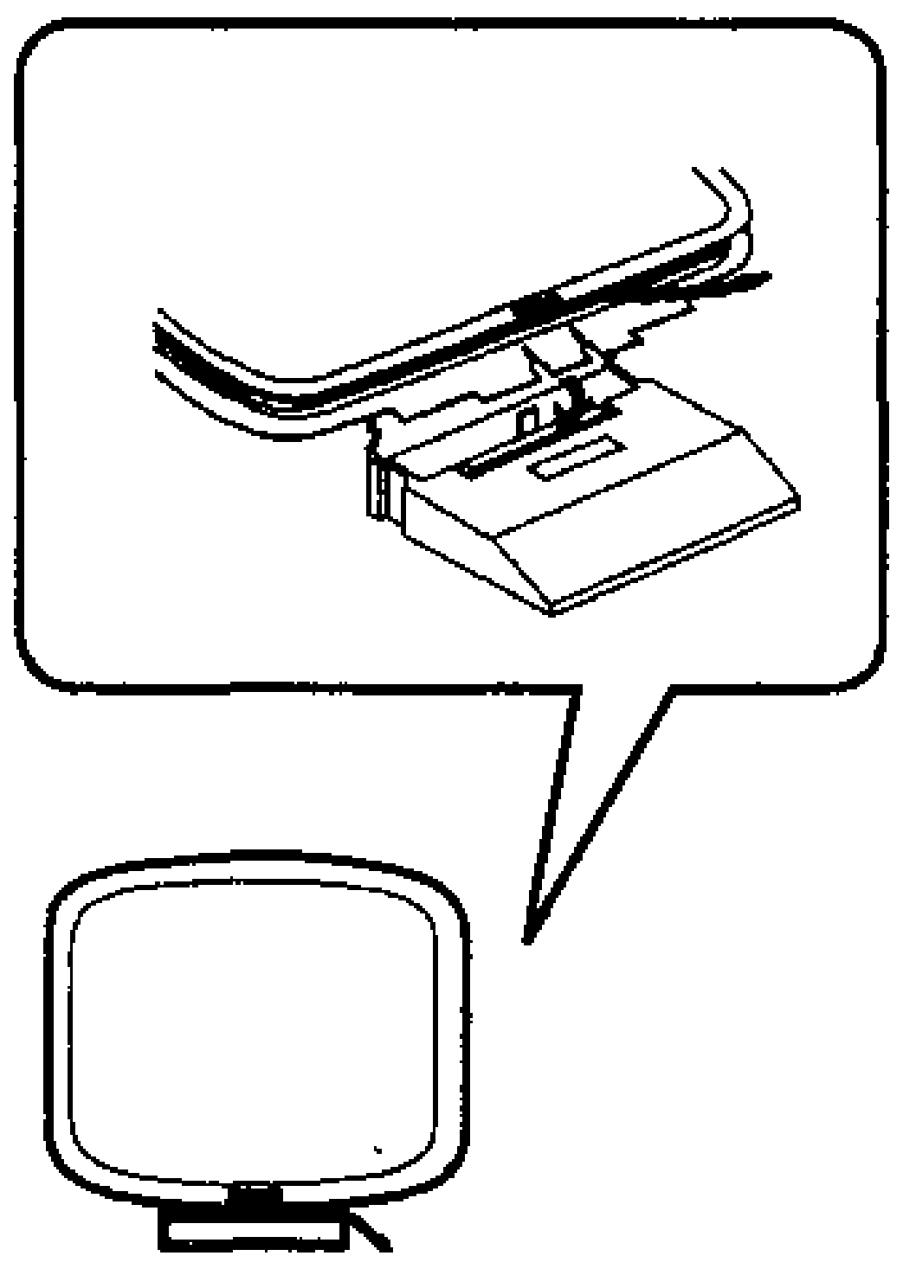

75 Ω coaxial cable
GND
LOOP ANTENNA
AM
FM UNBAL 75Ω

■ When AM broadcast reception is poor

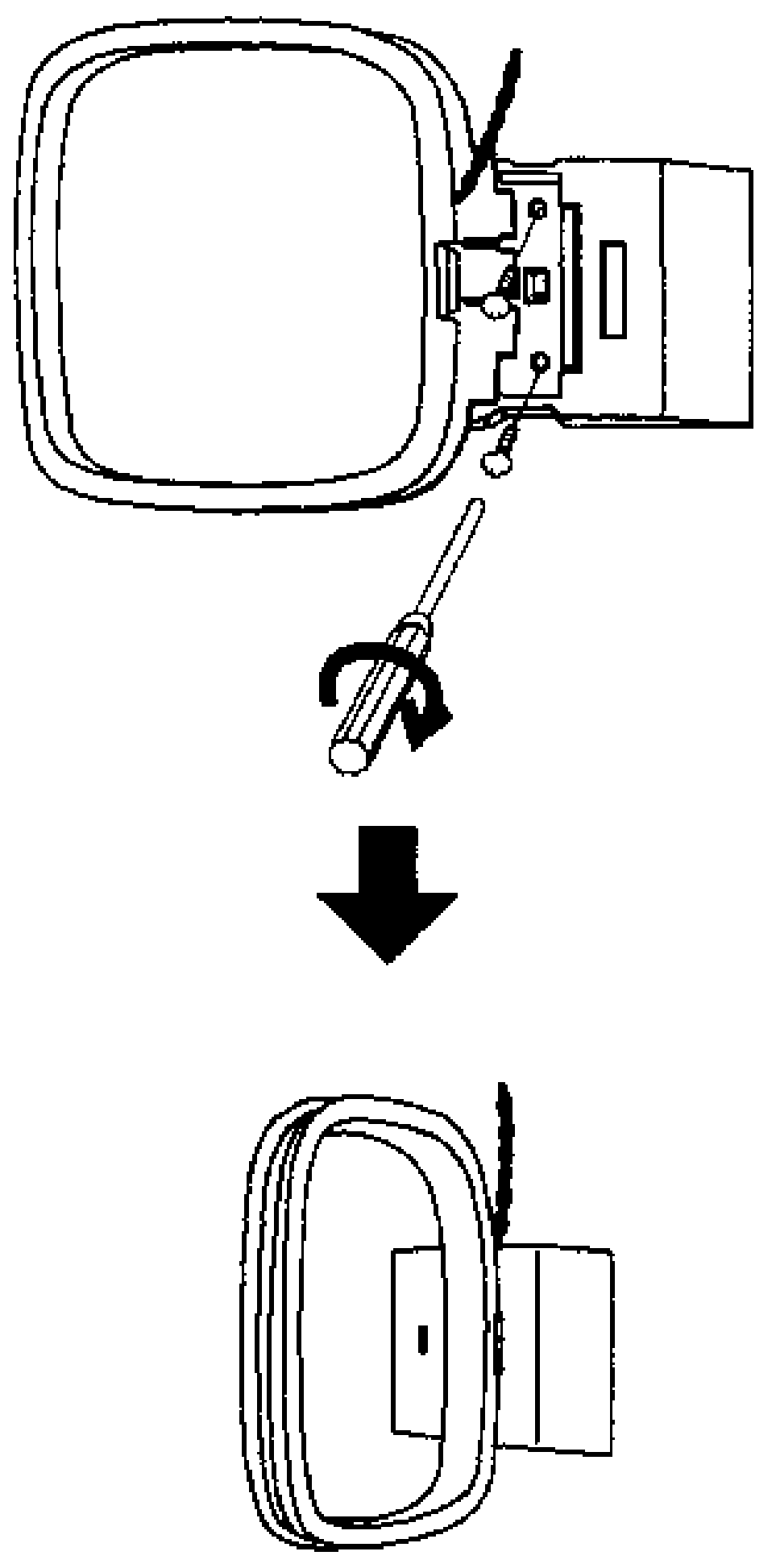
Connect a 5 to 6 meter (15~18 feet) long vinyl-coated wire to the AM antenna terminal. If possible draw horizontally outdoors to achieve better reception.


AM outdoor antenna
AM indoor antenna
(Vinyl-coated wire)
5~6m (15~18 feet)
GND
LOOP ANTENNA
AM
FM UNBAL 75Ω

■ Assembling the AM loop antenna

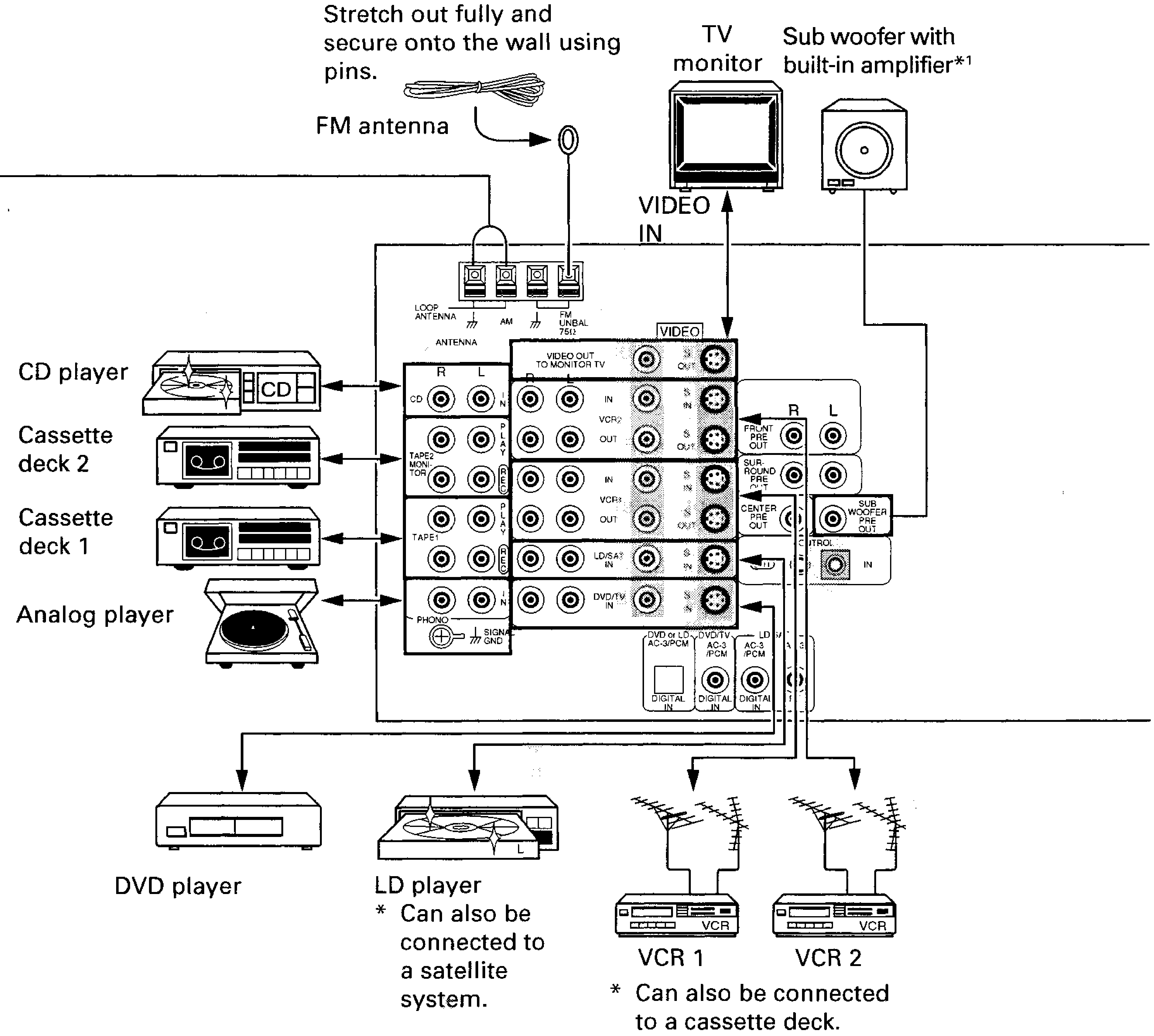


When attaching on a wall, etc.

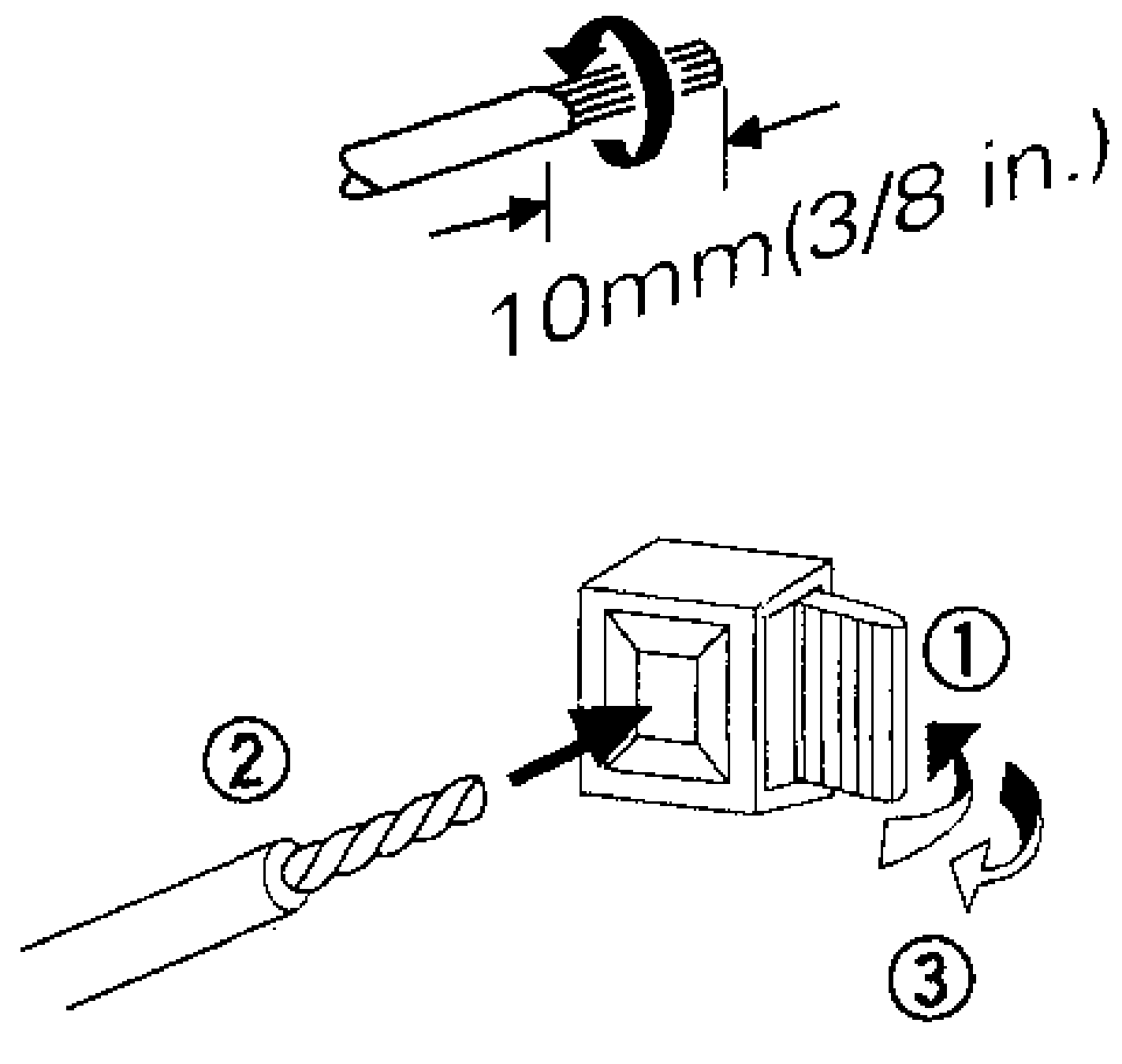


Face towards the direction with the best reception.

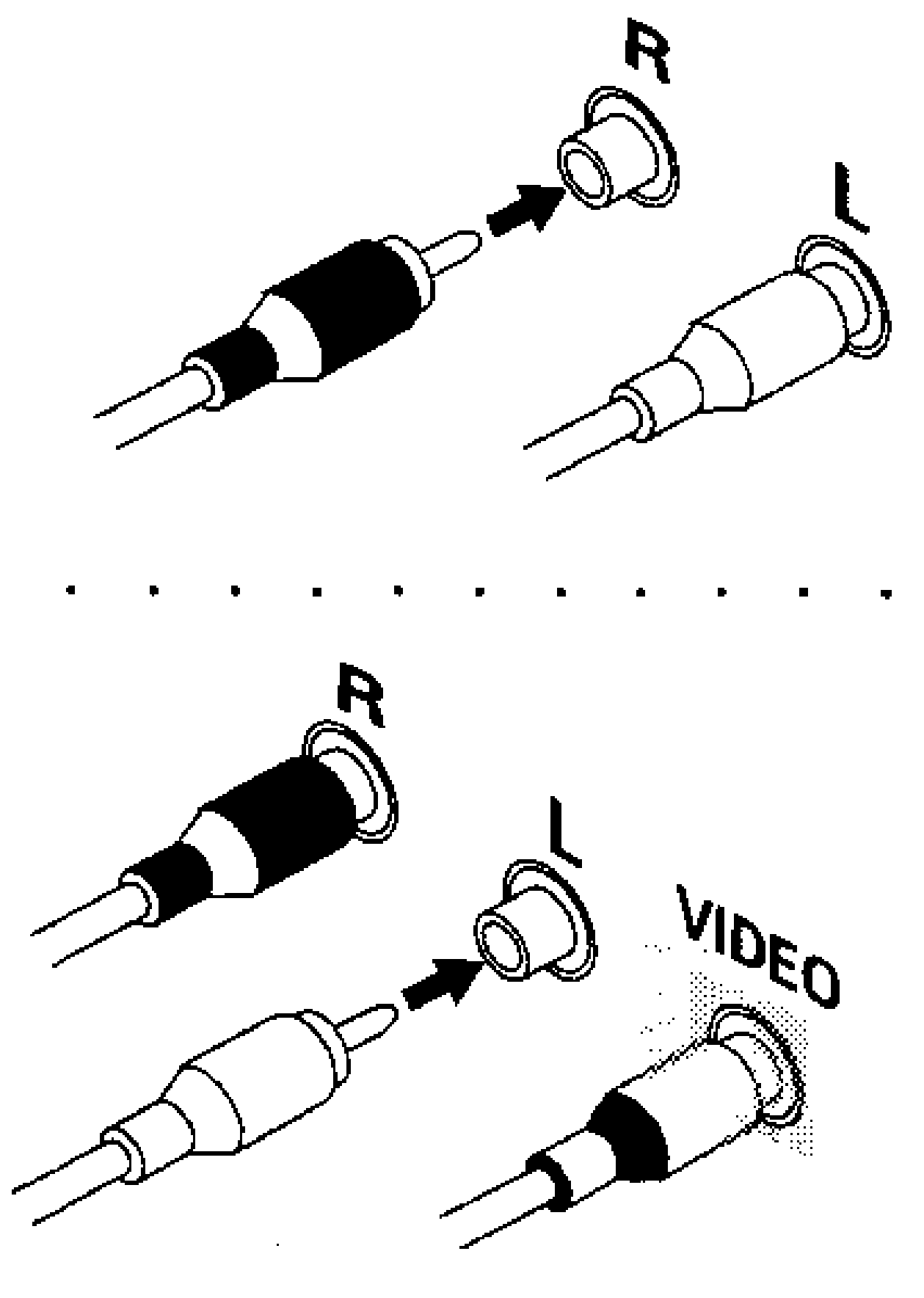
*1 The sub woofer can be connected in a different way. For details, refer to the instructions on the sub woofer.


Stretch out fully and secure onto the wall using pins.
FM antenna
TV monitor
Sub woofer with built-in amplifier*1
VIDEO IN
LOOP ANTENNA
AM
FM UNBAL 75Ω
ANTENNA
VIDEO
VIDEO OUT TO MONITOR TV
CD player
Cassette deck 2
Cassette deck 1
Analog player
CD
TAPE2 MONITOR
TAPE1
PHONO
SIGNAL GND
VCR2
VCR1
LD/SAT IN
DVD/TV IN
IN
OUT
PLAY
REC
R
L
FRONT PRE OUT
SURROUND PRE OUT
CENTER PRE OUT
SUB WOOFER PRE OUT
CONTROL
DVD or LD AC-3/PCM
DVD/TV AC-3/PCM
LD AC-3/PCM
DIGITAL IN
DVD player
LD player
* Can also be connected to a satellite system.
VCR
VCR 1
VCR 2
* Can also be connected to a cassette deck.

■ AM antenna terminal

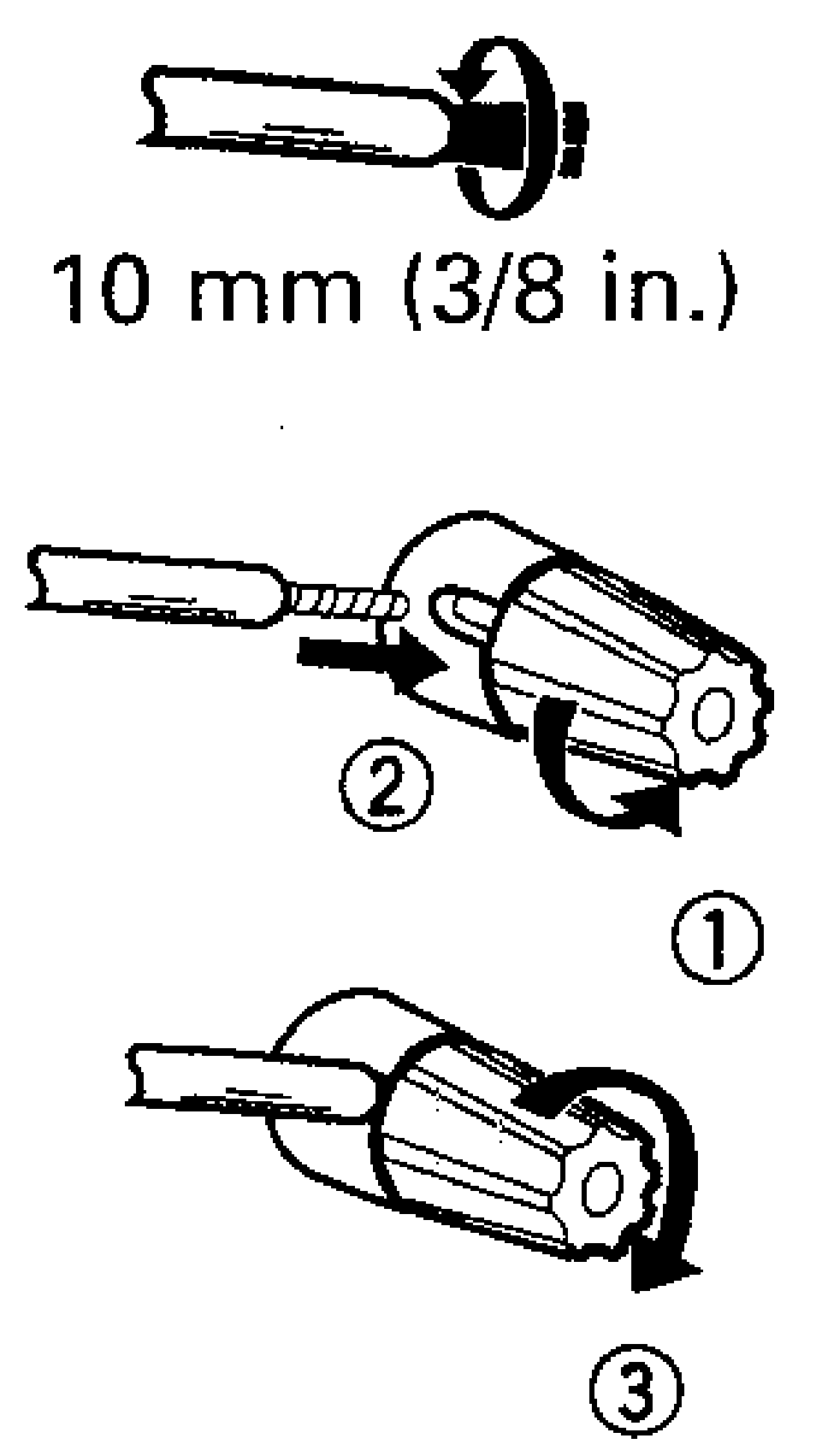

10mm(3/8 in.)
①
②
③

■ Input/output plugs

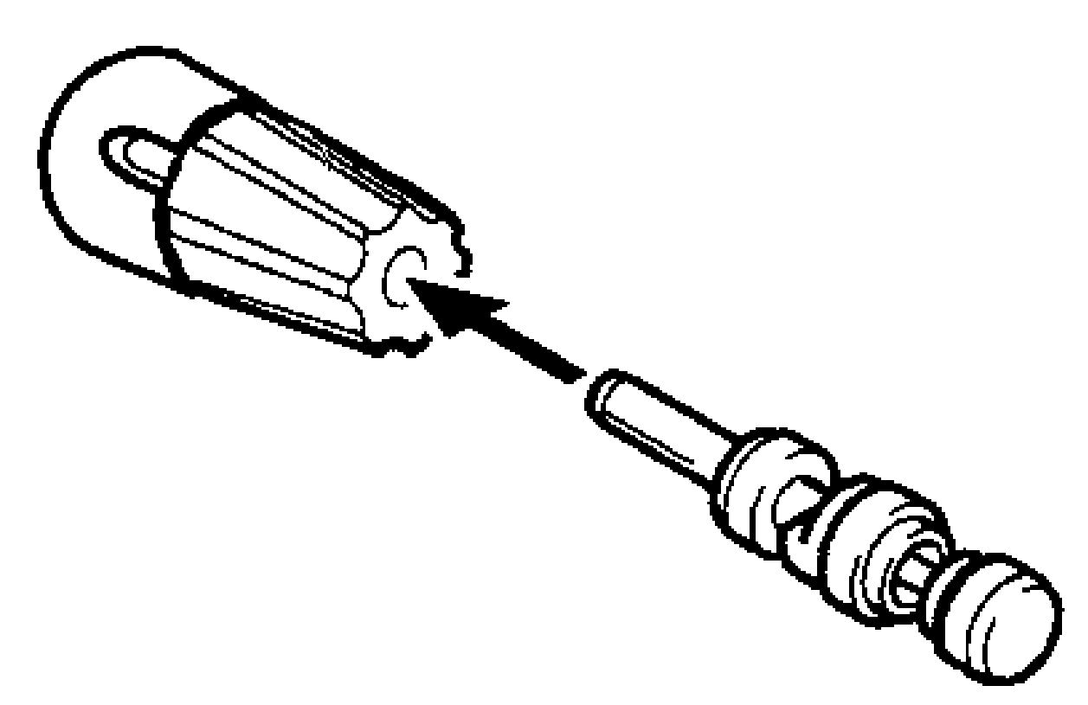


Connect the white plug to L, red plug to R, and yellow plug to VIDEO. Be sure to insert completely.

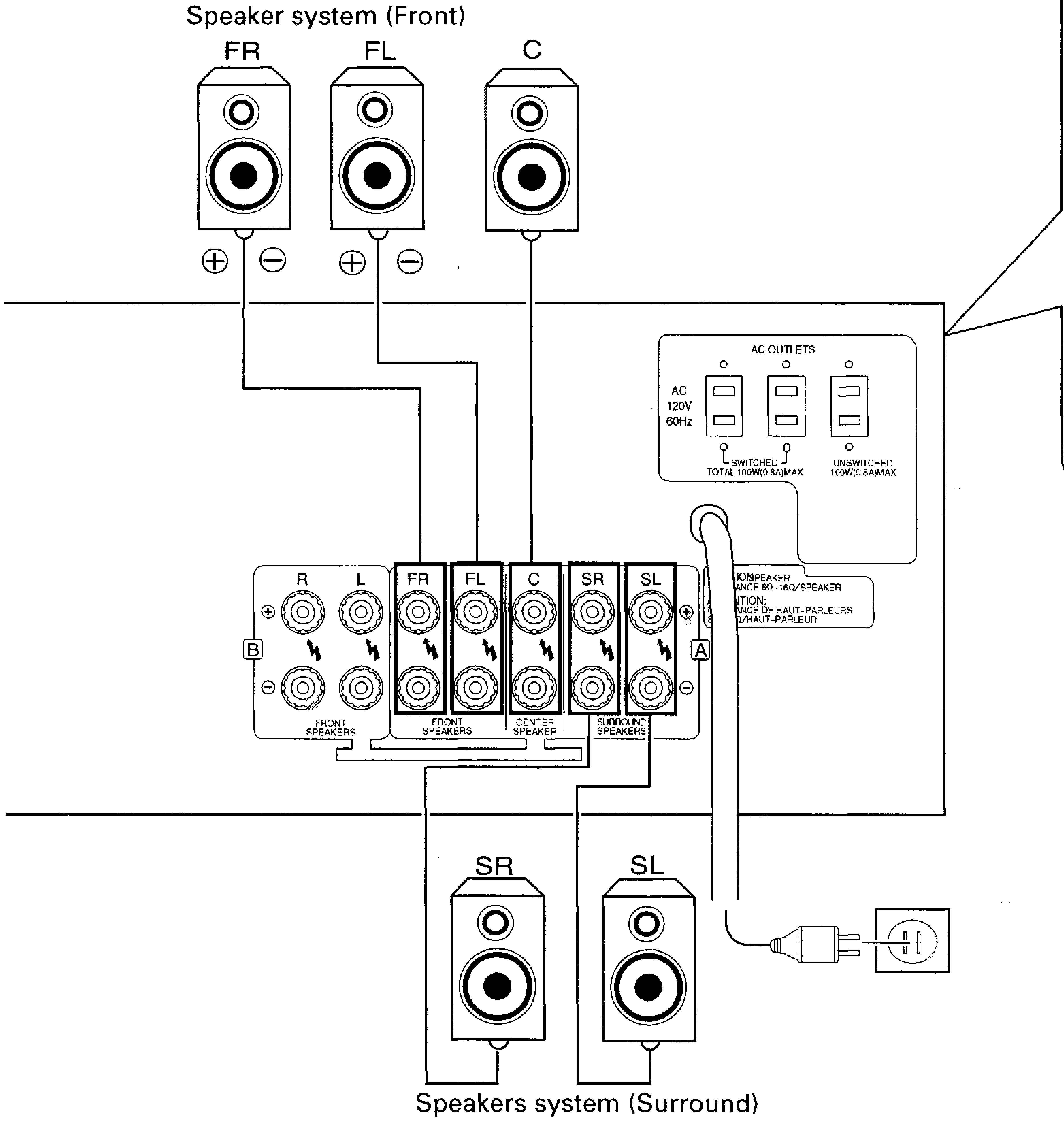
■ Speaker terminals


10 mm (3/8 in.)
②
①
③

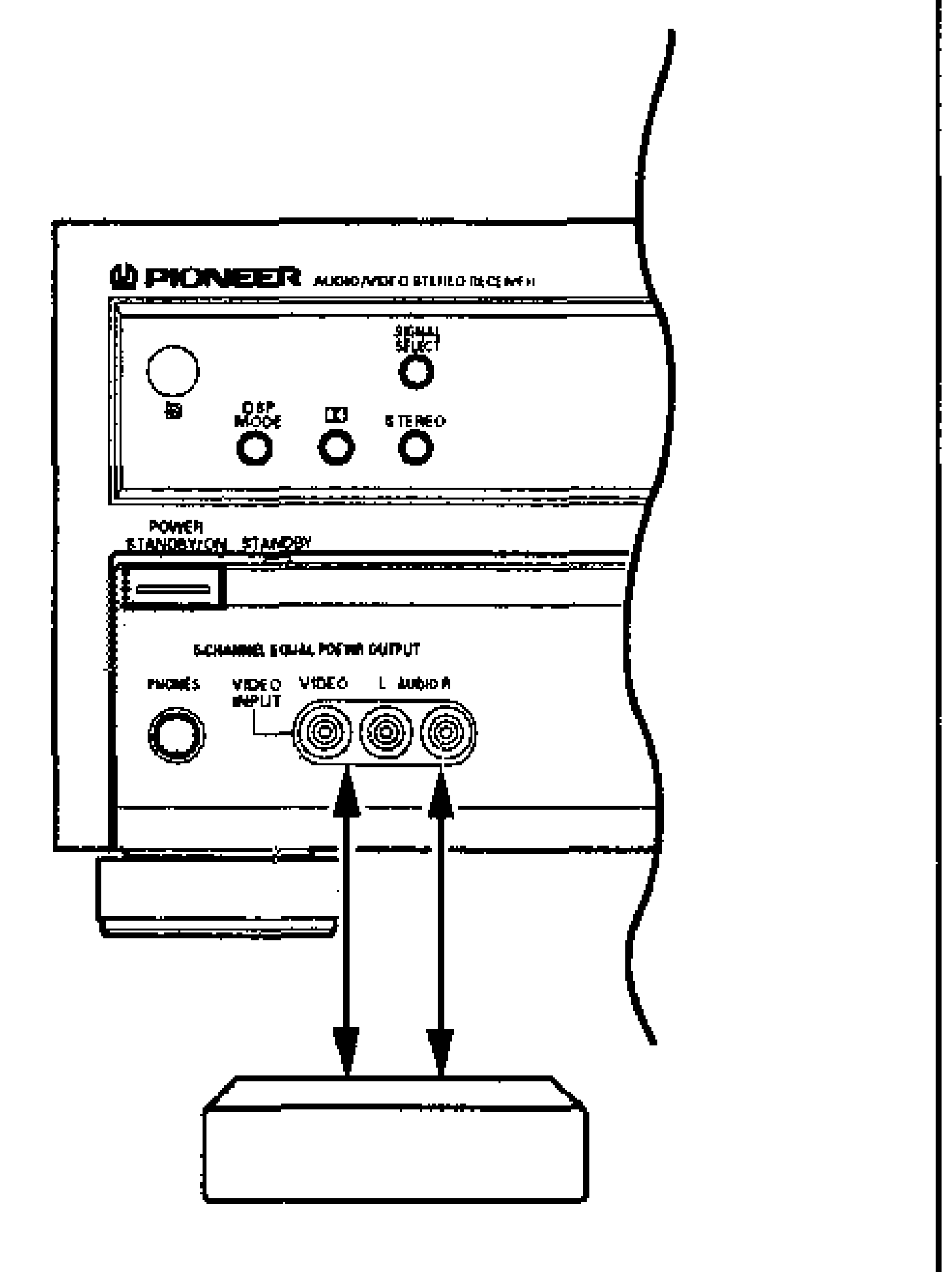
This unit's speaker terminals accept banana plug. Please reger to the plug's manual for instructions on use.



* The size of characters and terminal positions in the figures may differ from those on the actual product.


Speaker system (Front)
FR
FL
C
⊕
⊖
⊕
⊖
AC OUTLETS
AC
120V
60Hz
SWITCHED
TOTAL 100W(0.8A)MAX
UNSWITCHED
100W(0.8A)MAX
R
L
FR
FL
C
SR
SL
B
A
FRONT SPEAKERS
FRONT SPEAKERS
CENTER SPEAKER
SURROUND SPEAKERS
SPEAKER
NCE 6Ω-16Ω/SPEAKER
NTION:
NCE DE HAUT-PARLEURS
Ω/HAUT-PARLEUR
SR
SL
Speakers system (Surround)

■ Front Panel

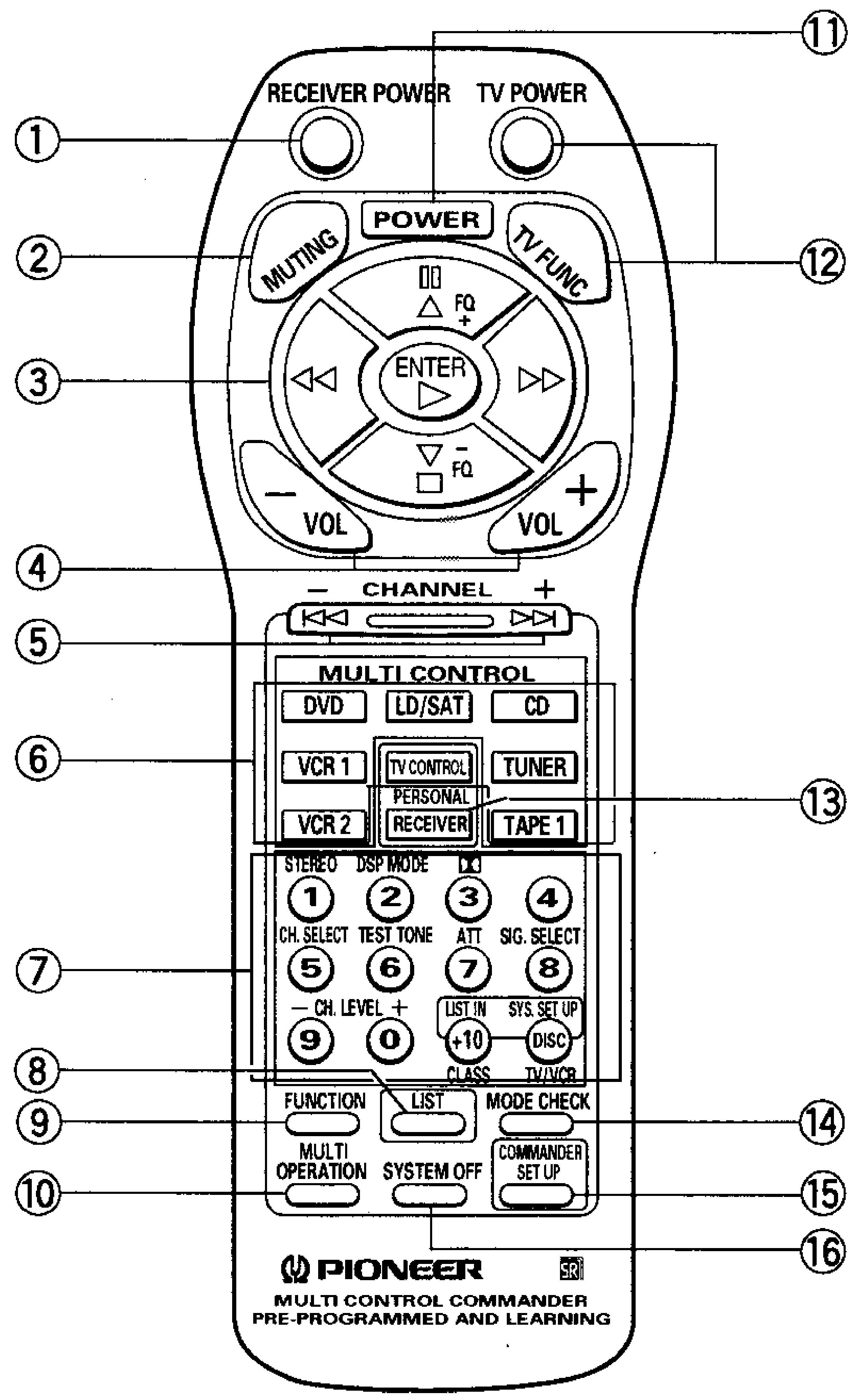


Video equipment such as a video camera, etc.

memo

- Use nominal impedances ranging from 6 Ω to 16 Ω for the speaker system.
- Sound is output from speakers connected to FR, FL, C, SR, or SL terminals if the SPEAKERS A button on the front panel is set to ON.
  If you want sound from speakers connected to the R and L terminals, set the SPEAKERS B button to ON.

Remote control unit


RECEIVER POWER
TV POWER
POWER
MUTING
TV FUNC
FQ
ENTER
VOL
CHANNEL
MULTI CONTROL
DVD
LD/SAT
CD
VCR 1
TV CONTROL
TUNER
PERSONAL
VCR 2
RECEIVER
TAPE 1
STEREO
DSP MODE
CH. SELECT
TEST TONE
ATT
SIG. SELECT
CH. LEVEL
LIST IN
SYS. SET UP
+10
DISC
CLASS
TV/VCR
FUNCTION
LIST
MODE CHECK
MULTI OPERATION
SYSTEM OFF
COMMANDER SET UP
PIONEER
MULTI CONTROL COMMANDER
PRE-PROGRAMMED AND LEARNING
①
②
③
④
⑤
⑥
⑦
⑧
⑨
⑩
⑪
⑫
⑬
⑭
⑮
⑯

① **RECEIVER POWER button**

② **MUTING button**

Press to mute the volume.

③ **[When set to RECEIVER (OPERATIONS)]**

△,▽,◁,▷ ENTER (Select/Adjust)buttons

[When set to other than RECEIVER (OPERATIONS)]

▯▯(Pause), □ (Stop), ◁◁(Rewind), ▷▷(Fast Forward), ▷ (Play) buttons

④ **VOL (–, +) buttons**

⑤ **[TV, VCR Operations]**

Selects the TV broadcast channel.

[CD, LD, DVD operations]

|◁◁, ▷▷| (Chapter/Track Search) buttons

⑥ **MULTI CONTROL function buttons**

Selects the function set on the receiver and changes the remote control operations to that function. Also, initiates the multi operation play function when used in conjunction with the ⑩ MULTI OPERATION button.

⑦ **Number/Receiver setting buttons**

[When setting RECEIVER (operations)]

STEREO: Switches the STEREO mode.
DSP MODE: Switches the DSP surround effects. The DSP mode does not function during while a Dolby Digital (AC-3) program source is being played back.
DD : Switches the Dolby Surround mode.
CH. SELECT: Use to select the channel for which level settings are to be defined.
TEST TONE: When turned ON (while in system set up mode), volume balance adjustment signals are output in order from the speakers and can be adjusted.
ATT: Operates during ANALOG signal input. When turned ON when the sound is unstable due to excessive input levels, the input signal level drops so that the sound becomes less distorted.
SIG. SELECT: Use to select function LD or DVD input signals. (i.e. AC-3 RF, DIGITAL, etc.)
CH. LEVEL –, +: Use to adjust the level of the channel selected with the CH. SELECT button.
LIST IN: Use to switch to the list input screen when using the CD or tuner function.
SYSTEM SET UP: Used to enter system setup mode.

[TUNER Operations]

Number buttons: Use for setting the frequency value when the station call is selected or during direct access.
CLASS: Switches the CLASS number.
DISC: Use to enter Direct Access mode.

[VCR operations]

TV/VCR: Switches between TV/VCR.

[CD Operations]

DISC: Use to select the DISC number.

⑧ **LIST button**

Use to display the list screen when using the CD or tuner function.

⑨ **FUNCTION button**

Switches the function.

⑩ **MULTI OPERATION button**

Use to set the multi operation.

⑪ **POWER button**

Turns ON/OFF the power of devices other than this unit.

⑫ **TV buttons**

⑬ **RECEIVER/PERSONAL button**

[When setting MULTI operations]

Press when setting to the personal mode using multi operations.

[When setting to other than multi operation]

Press this button when using the Number/Receiver buttons to specify receiver settings.

⑭ **MODE CHECK button**

⑮ **COMMANDER SET UP button**

Use to control and learn operations of other manufacturers' equipment, and set multi operation functions.

⑯ **SYSTEM OFF button**

Use to turn OFF the power of all equipment connected to the main unit.

SPECIFICATIONS

Amplifier Section

Continuous average power output of 100 watts* per channel, min., at 6 ohms, from 20 Hz to 20,000 Hz with no more than 0.09 % total harmonic distortion (front).**

Continuous Power Output	
Front	100 W + 100 W (1 kHz, 0.8 %, 6 Ω)
Center	100 W (1 kHz, 0.8 %, 6 Ω)
Surround	100 W + 100 W (1 kHz, 0.8 %, 6 Ω)
Input (Sensitivity/Impedance)	
PHONO MM	3.8 mV/47 kΩ
LD/SAT, CD, VCR 1, VCR 2, TAPE 1, TAPE 2, DVD/TV, VIDEO	275 mV/47 kΩ
Phono Overload Level (T.H.D. 0.1 %, 1kHz)	
PHONO MM	100 mV
Frequency Response	
PHONO MM	20 Hz to 20,000 Hz ± 0.3 dB
LD/SAT, CD, VCR 1, VCR 2, TAPE 1, TAPE 2, DVD/TV, VIDEO	5 Hz to 100,000 Hz $^{+0}_{-3}$ dB
Output (Level/Impedance)	
VCR 1, VCR 2, TAPE 1 REC, TAPE 2 REC	275 mV/2.2 kΩ
Tone Control	
BASS	± 6 dB (100 Hz)
TREBLE	± 6 dB (10 kHz)
Signal-to-Noise Ratio (IHF, short circuited, A network) (Direct On)	
PHONO MM	80 dB
LD/SAT, CD, VCR 1, VCR 2, TAPE 1, TAPE 2, DVD/TV, VIDEO	97 dB
Signal-to-Noise Ratio [EIA, at 1 W (1kHz)] (Direct On)	
PHONO MM	80 dB
LD/SAT, CD, VCR 1, VCR 2, TAPE 1, TAPE 2, DVD/TV, VIDEO	83 dB

* *Measured pursuant to the Federal Trade Commission's Trade Regulation rule on Power Output Claims for Amplifiers.*

** *Measured by Audio Spectrum Analyzer.*

VIDEO Section

Input (Sensitivity/Impedance)	
LD/SAT, VCR 1, VCR 2, DVD/TV, VIDEO	1 Vp-p/75 Ω
Output (Level/Impedance)	
VCR 1 REC, VCR 2 REC, MONITOR TV	1 Vp-p/75 Ω
Frequency Response	
LD/SAT, VCR 1, VCR 2, DVD/TV, VIDEO → MONITOR	5 Hz to 7 MHz $^{+0}_{-3}$dB
Signal-to-Noise Ratio	55 dB
Cross Talk	55 dB

Manufactured under license from Dolby Laboratories Licensing Corporation. "Dolby", "AC-3", "Pro Logic" and the double-D symbol are trademarks of Dolby Laboratories Licensing Corporation.

FM Tuner Section

Frequency Range	87.5 MHz to 108 MHz
Usable Sensitivity	Mono: 11.2 dBf, IHF (1.0 μV/75 Ω)
50 dB Quieting Sensitivity	Mono: 16.8 dBf Stereo: 38.6 dBf
Signal-to-Noise Ratio	Mono: 73 dB (at 85 dBf) Stereo: 70 dB (at 85 dBf)
Distortion	Stereo: 0.5 % (1kHz)
Alternate Channel Selectivity	60 dB (400 kHz)
Stereo Separation	40 dB (1 kHz)
Frequency Response	30 Hz to 15 kHz (± 1) dB
Antenna Input	75 Ω unbalanced

AM Tuner Section

Frequency Range	530 kHz to 1,700 kHz (10 kHz step)
Sensitivity (IHF, Loop antenna)	350 μV/m
Selectivity	25 dB
Signal-to-Noise Ratio	50 dB
Antenna	Loop antenna

Miscellaneous

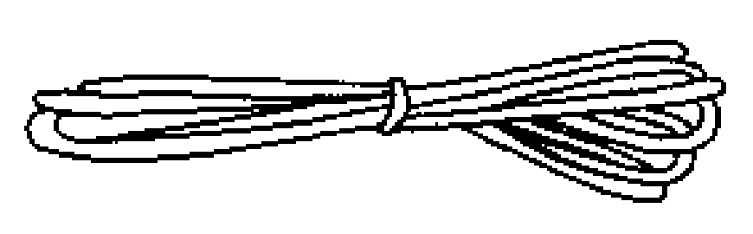
Power Requirements	AC 120 V, 60 Hz
Power Consumption	400 W
In Standby Condition	2.5 W
AC Outlet	
SWITCHED (x2)	100 W (0.8 A) MAX
UNSWITCHED (x1)	100 W (0.8 A) MAX
Dimensions	420 (W) × 177 (H) × 449 (D) mm 16-9/16 (W) x 6-15/16 (H) x 17-11/16 (D) in
Weight (without package)	13.3 kg (29 lb 4 oz)

Furnished Parts

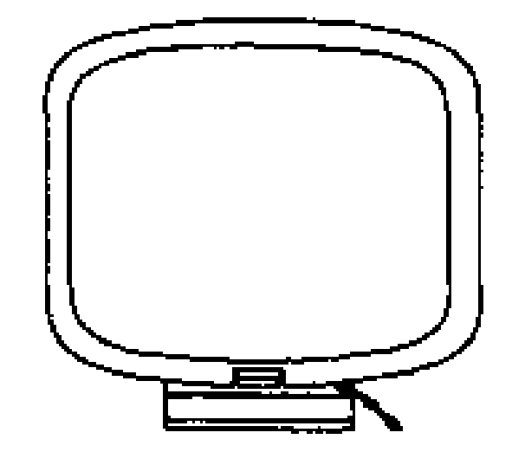
FM Antenna	1
AM Loop Antenna	1
Dry Cell Batteries (AA/LR6)	2
Remote Control Unit	1
Operating Instructions	1
Sub instruction manual (Remote Control Unit)	1
Sub instruction manual [System Set up]	1

NOTE:

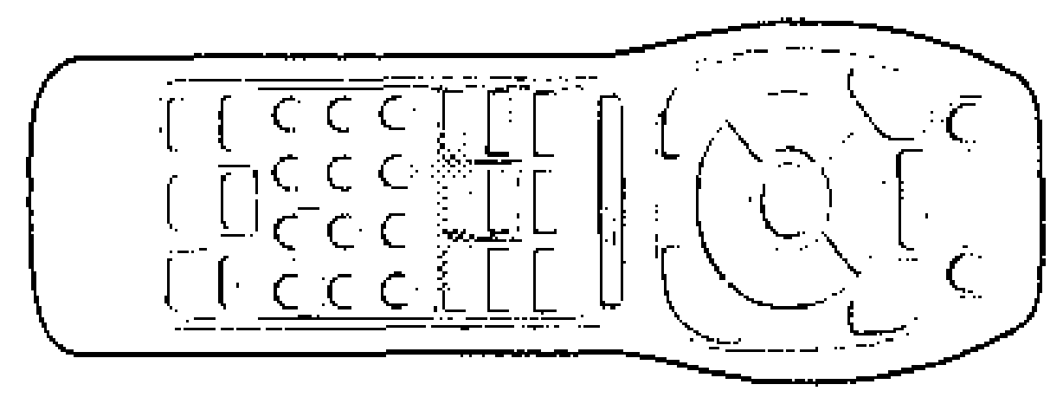
Specifications and the design are subject to possible modifications without notice, due to improvements.



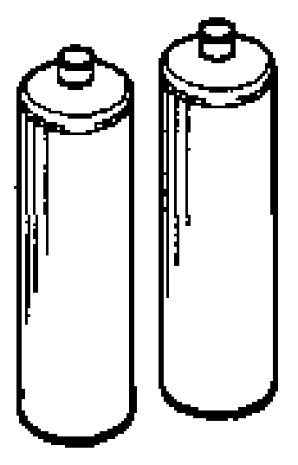
FM antenna



AM loop antenna



Remote control unit



Alkaline dry cell batteries (size "AA" IEC LR6) x 2